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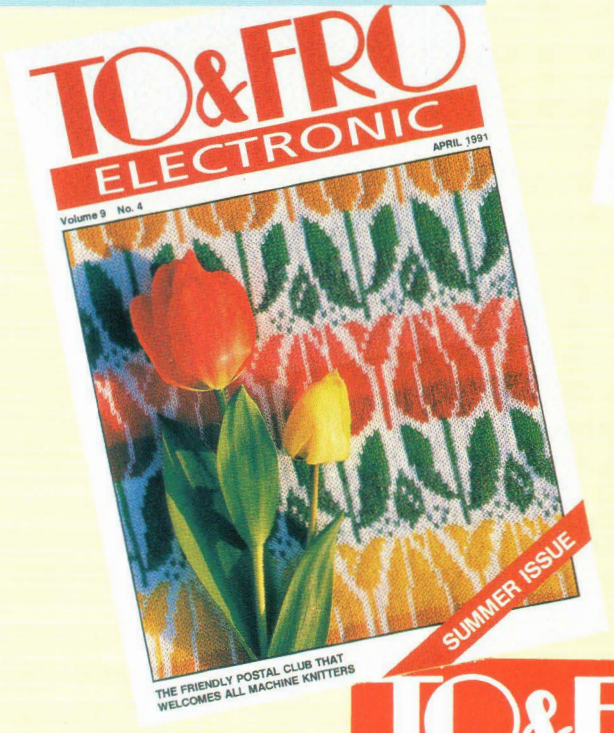

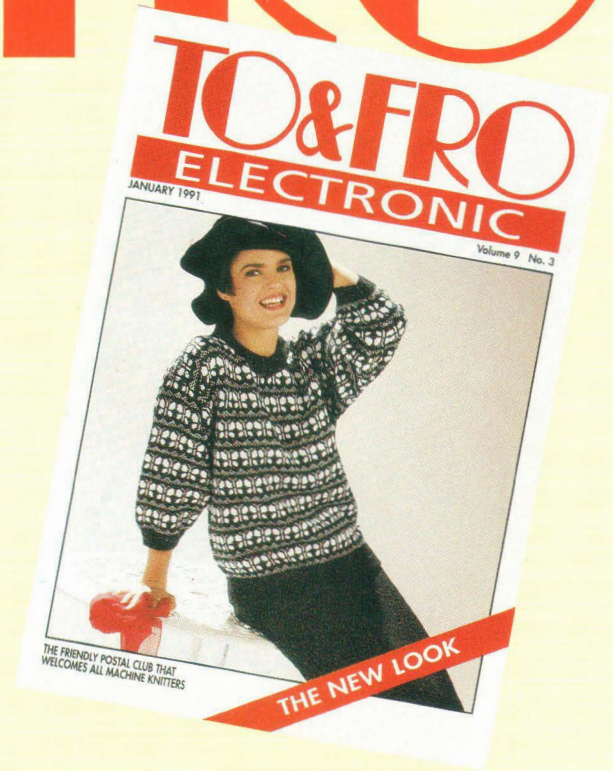

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FROM THE EDITOR

Get in the 'Tropical Mood' with some of our design ideas for summer and continue to make the most of the superb range of cotton yarns available for machine knitting. Plenty here for your holiday wardrobe with sizzling colour schemes for hot, sultry days. The Tropical theme extends into our Inspirational Intarsia which, this month, sees the last in the series with a colourful 'Macaw'. Important tips and hints are included at the start of the article as a useful reminder for successful Intarsia knitting. You'll also get the chance to try appliqué to add that three dimensional look to the design.

With cotton being so popular, you might be looking for alternative knitted edgings to replace the usual ribs. This month, take a look at some really different ideas for edgings which are both decorative and unusual. If you want to add beaded surface decoration, it's so easy with the 'Bead Transfer Tool' from Hague – Swatch Spot shows you how and you can take advantage of our 'Special Coupon' to save money on this useful little accessory.

All this, plus plenty of new designs and patterns to keep you busy until next time! Looking forward to hearing from you . . .

Sue

SUE WATSON

Publisher & Managing Editor Anne Smith.
Editor Sue Watson.
Patterns Editor Debbie Clarkson.
Design Editor Sarah Pooley.
Design Assistant Sam Lamb.
Advertising Fiona Lewis (Tel: 0789 740430).
Photography Liz McAulay.

You can write to Modern Machine Knitting at the following address:- 3, Bridge Ave, Maidenhead, Berkshire SL6 1RR.
Our Telephone number is (0628) 770289.
Our Fax number is (0628) 777335.

KNITLINE

Forge Mill Museum

Now is the time of year to take advantage of days out and visit places of interest. If you live in the Redditch area or might be passing through, take a detour to the Forge Mill Museum in Needle Mill Lane where you can see a wonderful collection of textiles — embroideries, quilts and weavings in rich colours and textures — all inspired by other cultures and entitled 'Ethnic Influences'. A marvellous opportunity to take inspiration for your own designs.

The surrounding area to Redditch was formerly the world's centre for the manufacture of needles and Forge Mill was converted for needle polishing in 1730. The Mill has been fully restored and the machinery is on display.

The full address of the museum is:

Forge Mill Museum,
Needle Mill Lane,
Redditch,
Worcestershire B97 6RR.

Quick Quilting

Vilene have produced a new iron-on white quilt interfacing which has been designed to take the hard work out of quilting. **'Quiltex X50'** has diamond shaped adhesive lines printed on the wadding and once the interfacing has been bonded to the fabric, these lines provide an easy guide for creating a quick quilted effect. Quiltex is suitable for ironing to almost every fabric and it is washable and dry cleanable — ideal for detailed areas on individual garments and for all types of craft work, toys, cushions and accessories. Available at your local Vilene stockist, Quiltex costs £3.35 per metre (90cm wide).

Two New Cabinets

Keyto have come up with a new storage unit which has been designed especially for the **System 9000 new Electronic Singer Knitting Machine**, which incorporates a computer key pad and monitor. Measuring 51" long × 23" deep × 27½" high, the cabinet is compact and can house any double bed Singer knitting machine with the Singer motor-drive unit. Both items will slide easily away on patented tracks to store neatly inside the cabinet.

The storage bench/seat, complete with cushion, is an optional extra which stows neatly under the cabinet when not in use. For the TV monitor and key pad, a matching console is available measuring 18¾" square × 49" high, with left or right door opening options.

Retail prices for the units will be in the region of £159.95 for the Cabinet, £226.40 to include the Bench plus £117.00 for the Console Unit and Keyto hope that Singer will make the units available through all their Franchisees.

Owners of **Bond** machines have also experienced difficulties when it comes to stowing their machines and Keyto have developed a simple, low priced cabinet which comes as a flat pack and which will accommodate the Bond machine and ribber. The overall size is 49½" long × 28½" high × 15½" deep and should retail at around £109.95.

Keyto will be pleased to handle any enquiries on these new products if you write to their address at:

Unit 8,
Halliwell Industrial Estate,
Wapping Street,
Bolton BL1 8DN.
Tel: 0204 491515.

Designer Patterns

Sophisticated, elegant design combined with sheer simplicity is the hallmark of the Designer Knitwear from Ann Durkan. Ann's latest pattern leaflets include some exciting new outfits for those special occasions.

'Bridget' features a two-piece with a long line tunic worn over a full skirt. The tunic is knitted in a geometric Fair Isle pattern and the soft sleeves and draped cowl neck complement the soft folds of the skirt, which is designed with a deep basque for smooth lines over the hip.

'Grace' is a design from Ann's Classic Collection which is extremely versatile and suitable for all moods. Knitted in stocking stitch with attractive but simple tucked edgings, this two-piece will flatter all figures and make a smart outfit for any occasion.

'Audrey' is another classic design in the form of a simple to knit dress. The bodice is a straight piece of knitting and the skirt is worked in straight panels which are gently gathered onto the hem level of the lower bodice edge to create a flattering line. This is a style which can be cleverly accessorised for a special occasion or worn plain for every day.

Priced at £2.95 (Bridget and Grace) and £2.50 (Audrey), these and other Designer patterns are available from:

Ann Durkan,
Michaelmas Cottage,
Twineham,
West Sussex RH17 5NN

(Send £1 for catalogue and full details).

KNITLINE

Short Looks in Wool

The catwalks of London and Paris this year illustrated a new revival for shorts, but not necessarily in the style of that casual and fun item of clothing we usually associate with the warmer months. Take a look at the new and stylish short suits in lightweight wool — certainly a different interpretation of that classic 'suit' look and very cool for smart summer dressing if you've got the legs for it!

Artika Designs

Two books for your collections:

'Debut Collection' — easy to knit but unusual designs for 24 stitch Fair Isle knitting. There is plenty of information for beginners on the basics of Fair Isle knitting plus design notes to help intermediate knitters to make the most of each pattern, as well as suggestions for colour ideas to create an effective fabric.

'Trellis Collection' is based on a design theme of diamond and criss-crossabstract shapes for Fair Isle knitting, again including design notes for pattern use and suitable colour schemes.

Each pattern is illustrated in swatch form on the cover (in colour) and all designs in the books are printed as full size punchcard repeats for easy copying (an electronic supplement is also available for an extra £1).

These Collections cost £4.95 each. Further information can be obtained by sending a large SAE to:

Artika Designs,
41 Dundonald Road,
London NW10 3HP.

Co-Op Holiday Camp

One whole week can be spent later this year at the Sussex Beach Holiday Village, Bracklesham Bay, based around your favourite past-time — 'machine knitting'.A very successful venture over the past couple of years — this event includes lectures, hands-on sessions, demonstrations and visits to places of interest connected with machine knitting.

If you would like to combine a week of machine knitting with lots of fun, entertainment and relaxation, the dates to book up are 28th October to 1st November and further information can be obtained from:

Mr Paul Thompson,
Co-Op Holidaycare,
P.O. Box 53,
New Century House,
Manchester M60 4ES.
Tel: 061 834 1212.

Classes and Courses for Autumn

DORKING

Starting in September at the Mid Surrey Adult Institute — a two year City & Guilds Creative Studies course in Machine Knitting to run as weekly Tuesday evening classes (concentrating on machine techniques) plus elements of design on alternate Saturdays during term time. Ring 0306 883351 for prospectus and enrolment details.

HOUNSLOW

If you would like the option of taking a GCSE in Design, enquire about the Machine Knitting classes to be held at Chiswick Town Hall on Tuesday afternoons. Tel: 081 568 3697.

CHIPPENHAM

A City & Guilds Machine Knitting course with a new intake in September will run at the Chippenham Technical College in Wiltshire plus short course evening classes for beginners and intermediate machine knitters. Contact Heather Akers on 0249 444501.

WARRINGTON

Classes based upon the NWRAC/ULCI Home Machine Knitting Course commence in mid-September with enrolment on 2nd-6th September. The classes will be run by the North Cheshire College at the Museum Street Centre between 1.15pm-3.45pm Friday afternoons or on a Wednesday evening from 6pm to 8.30pm (Part I). Part II classes run on Monday mornings (10am-12.30pm) and Thursday evenings (6.30pm-9.00pm).

Contact Judy (0925 740386), Sue (0942 36378) or Liz (0942 35689) if you require more information.

HARROW

Greenhill College in Harrow were one of the first to take up the City & Guilds Creative Studies Machine Knitting Course in 1988. They are now into their fourth successful year and new applicants are invited to join in the Autumn.

Other machine knitting courses are also on offer at the College, to cater for beginners and more experienced knitters. You might also be interested in one of the planned Workshops which will be based on a specific theme.

Find out more by 'phoning the college office on 081 422 2388.

Name-It

These labels are simple to use and require no sewing (on suitable materials only). These 'Name-It' labels use a transfer dye which is activated by heat — all you have to do is place the area to be marked, flat on the ironing board, place the paper dye side down over a light coloured area and apply the pre-heated iron on top for approximately 10 seconds.

Polyester fibres are recommended for best results but you could transfer the name on to a ribbon or tape and sew it into the garment separately if preferred. An instruction leaflet gives suggestions for alternative places which can be marked.

The dye is blue and the lettering is plain but clear — very suitable for school wear and sports kit.

50 labels cost £4.99 (including p&p) from Mellors Munro stockists or write for details enclosing SAE to:

Mellors Munro & Co Ltd,
Lakefield Cottage,
Main Street,
Bradley, Skipton,
North Yorkshire BD20 9DG.

STOP PRESS

COMPUTER TO KNITTING MACHINE LINK

Susan Lazear will be conducting a hands on workshop to introduce her brain-child, the BIT KNITTER at Machine Knitting and Design Centre on 14th August. This workshop will appeal to all electronic owners who use their computers for design purposes. There is already a tremendous amount of interest and places are limited, so book early to avoid disappointment. Call Kamalini on 0923 895242 for further information.

POPULAR PETS

(Part 6)

By Jo Newton

Every month, our Popular Pets feature will provide you with some delightful motifs – for both electronics and punchcard machines. Collect our pet designs every month and build up your own exclusive Popular Pet Collection.

DOVES AND PIGEONS

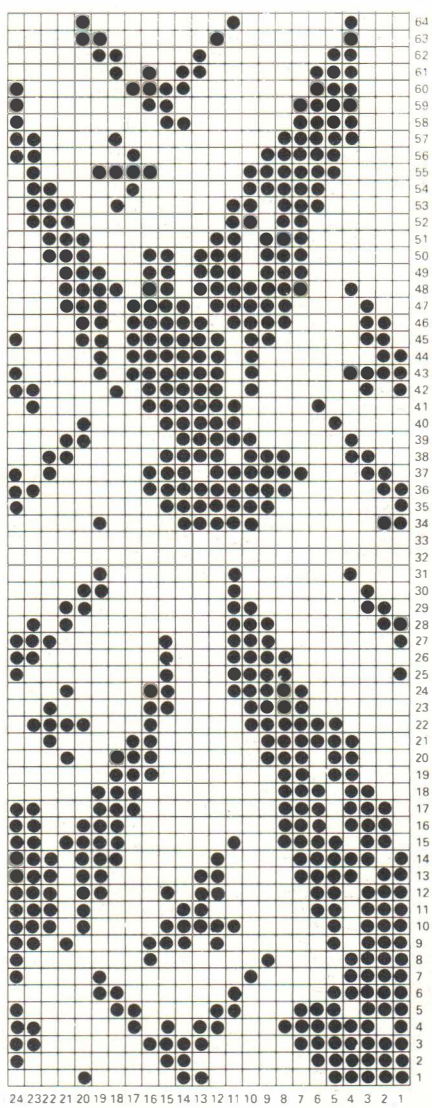
These versatile designs can be used in a variety of ways. When I was working on the initial ideas, the Gulf War was in full swing and I felt that the symbol of a Dove of Peace was near to many hearts. The upper bird in the Electronic/Intarsia picture lends itself very well to this theme. The all important Olive branch is Swiss darned on completion of the knitting, following the stitches marked by dots on the graph and the eye is a French Knot embroidered in black. The complementary 24 stitch repeating pattern could be incorporated in the same garment as a border pattern above the welt and cuffs.

The two birds together, knitted in grey on a black background, create a much more masculine effect and should please Pigeon Fanciers, who certainly regard their birds as pets rather than the 'pests' they are to farmers! My idea was to represent the moment when Racing Pigeons are released at the start of a race.

For added realism and to create the iridescent pink and green of necks and breasts, embroider over half of each alternate stitch in pink and each alternate one in green, using a fine yarn (rather like 'half' Swiss darning).

The punchcard design can be used as a single border of pattern in conjunction with the electronic pictures, or as an all-over repeating pattern. An individual bird could be punched out on its own for a single motif.

Punchcard Chart



PATTERN NOTE:-

Yarns Used:
Forsell Shamal
521 Sky (Light Blue)
500 White
520 Black
566 Silver Grey
503 Sea Mist (Light Blue Grey)

Forsell Sirocco
207 Dove Grey (what else?) used double.

Machines

Large Dove/Pigeons
For electronic machines or machines with intarsia.

Repeating Birds
For 24 stitch punchcard or electronic machines.

Note:
When using the punchcard charts to make an electronic design card, fill in a square where the punchcard chart shows a hole.

If you have any problems locating Forsell Shamal, please write to the address below for local stockists and mail order information, quoting this issue of Modern Machine Knitting.

T. Forsell & Sons Ltd.,
Blaby Road,
South Wigston,
Leicestershire LE8 2SG.

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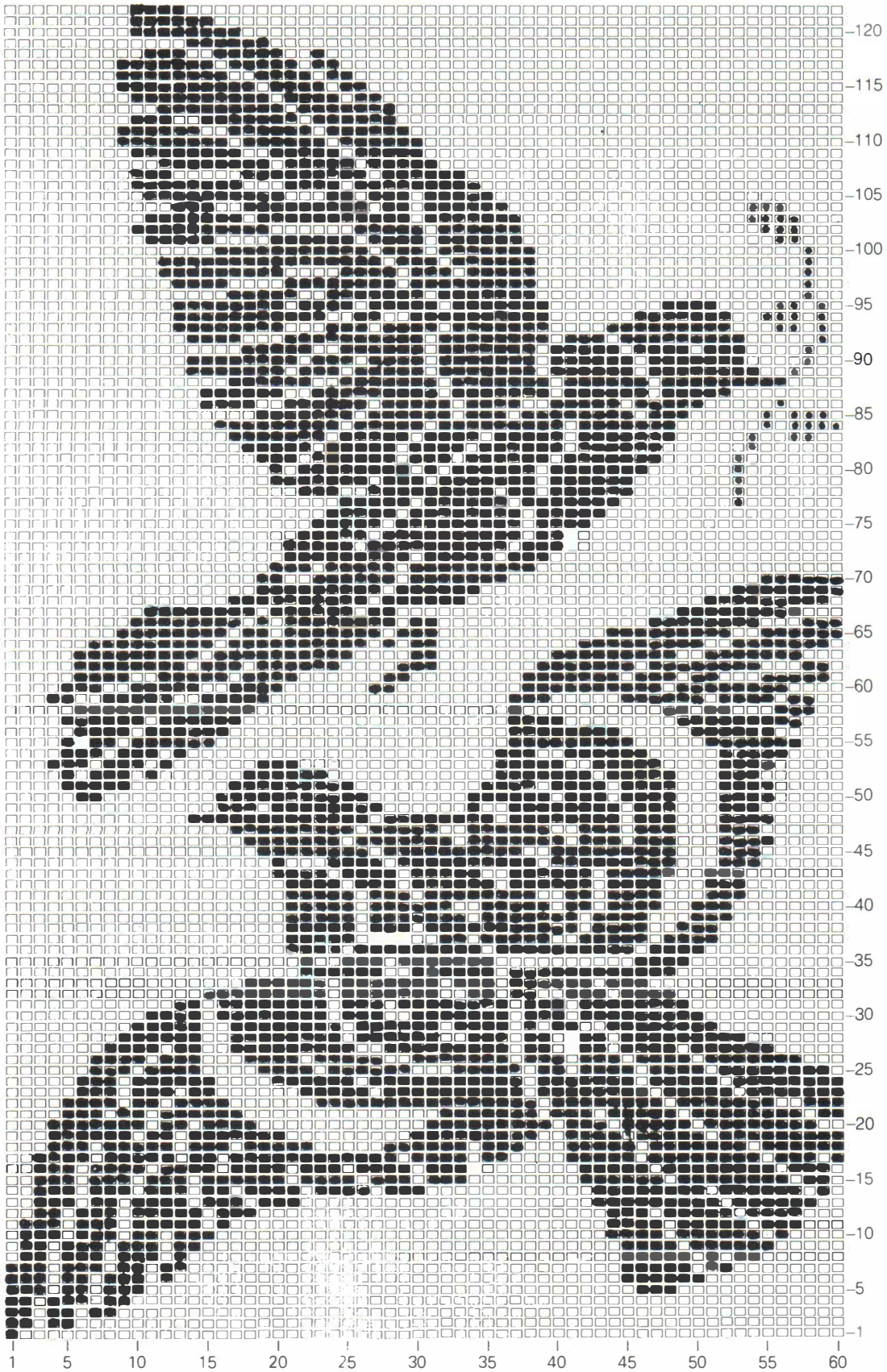
POPULAR PETS *continued*

Electronic/Intarsia Chart



INSPIRATIONAL INTARSIAS

By Rosalie Davis

This the last design in our current Inspirational Intarsia series so, as a reminder to those who have been following the feature and for the benefit of new readers who may not yet have tried the intarsia technique, this month we have included points covered so far to ensure your intarsia knitting is both enjoyable and successful. More detailed information can be found in our intarsia articles which began in the January 1989 issue.

INTARSIA CHECKLIST

1. As many colours as you wish can be knitted in any row, without floats.
2. Odds and ends of yarn can be put to good use.
3. Small amounts of expensive, specialist, unusual or luxury yarns can be incorporated.
4. Ensure that all selected yarns are the same/similar weight and type, in order that they knit to an even tension and that they have the same washing and pressing requirements.
5. ALWAYS check tensions prior to commencing work, particularly if part of the garment is knitted using the intarsia carriage or facility and the other pieces use the main carriage for stockinet.
6. Wind off sufficient balls in each colour before commencing work.
7. Wind off small amounts of yarn for small areas where there are different blocks of colour. Intarsia bobbins are ideal for this purpose.
8. Shade the chart with coloured crayons to make the design easy to follow.
9. Allow yarn ends to run freely by taking the end from the centre of the ball.
10. Make sure yarns are crossed at colour changes to avoid holes.
11. Yarns will twist around each other on alternate rows but will always unravel in between except when introducing new colours, which must be done manually.
12. ALWAYS check that the latches are open before laying the yarn across the needles and knitting the row, to avoid dropped stitches.
13. Prior to laying yarn across needles for the next row, check that all stitches have been knitted on the previous row.
14. Sew ends in neatly on the wrong side of the work, following blocks of knitting in the same colours.
15. Check that any form of embellishment such as buttons, beads, have the same washing instructions as the yarns used in the design.
16. When machine knitting from the intarsia chart, the image of the design will be reversed on the knit side of the fabric.
17. When hand knitting from the intarsia chart, the image is as shown. Read odd rows knit from right to left and even rows purl from left to right.

'THE MACAW'

This month's intarsia is quite quick and easy to knit, consisting mainly of large blocks of colour and is an ideal subject for various forms of embellishment. As you can see, I have added some shiny, green satin appliquéd leaves, which add extra colour and surface detail to the original design.

In order to achieve the same effect as the original sample, use yarns as detailed below:

KING COLE Anti-Tickle 4ply (100% wool)
Main Colour: Aran (shade 46)
Branch, beak and eye: Mink (shade 142)
Under-eye and over-beak areas: Sand (shade 39)
Under-beak area: Black (shade 48)
Head and feathers: Scarlet (shade 9)
Back feathers: Gold (shade 55)
Back and tail feathers: Bluebell (shade 26) and Royal (shade 21).

To create the same effect as the original design, you will also need one round black button for the eye and green satin leaves.

Before commencing work, wind off 2 balls (1 very small) in Aran, 2 in Mink, 4 in Scarlet (3 very small), 4 in Gold (3 very small), 2 in Bluebell and 2 in Royal. If a button is used for the eye, one ball only is required in Black. One ball only is required in Sand. Use yarn from the cone for the top, bottom and one side of the design.

MACHINES

Standard gauge with intarsia facility. If the design is to be hand knitted or Swiss darned, the finished design will be the same as shown on the chart and not reversed as with machine knitting.

The design covers 60 stitches and 114 rows.

DECORATION

Once again, a few very simple embroidery stitches have been used to add definition to parts of the design and to replace small details which would be impossible to knit effectively (Black feet have been embroidered rather than knitted for example). Both the beak and the eye, as well as the Sand areas above and below the beak, have been outlined in Black using straight stitches. This is essential around the areas knitted in Sand which border with the similar tone of the Aran background. If you compare the complete design plus embroidery to the original knitted sample, you will also notice that the areas around the eye and beak benefit from the added definition of the black stitching. The feathered sections in Gold, Bluebell and Royal have also been outlined — in Red to define the Gold feathers from the Aran background and in Royal, to emphasise the Bluebell areas.

The original chart includes the area for the eye which can be knitted in Black if you do not wish to use a button or bead. If you want to use a bead for the eye, just knit the whole area in Mink. Further embellishment is added to this design in the form of satin appliqué leaves. Although the Macaw is very colourful, the addition and sheen of the deep green satin creates extra surface detail for a really striking look. The leaves are optional and can be of your own design. Add them to the branch or wherever you feel they enhance the total look. You could even try knitting them in as part of the intarsia design, or add separate leaves afterwards, for a three dimensional effect. If you do not feel confident about making your own leaves you can send for the templates and full instructions on how to

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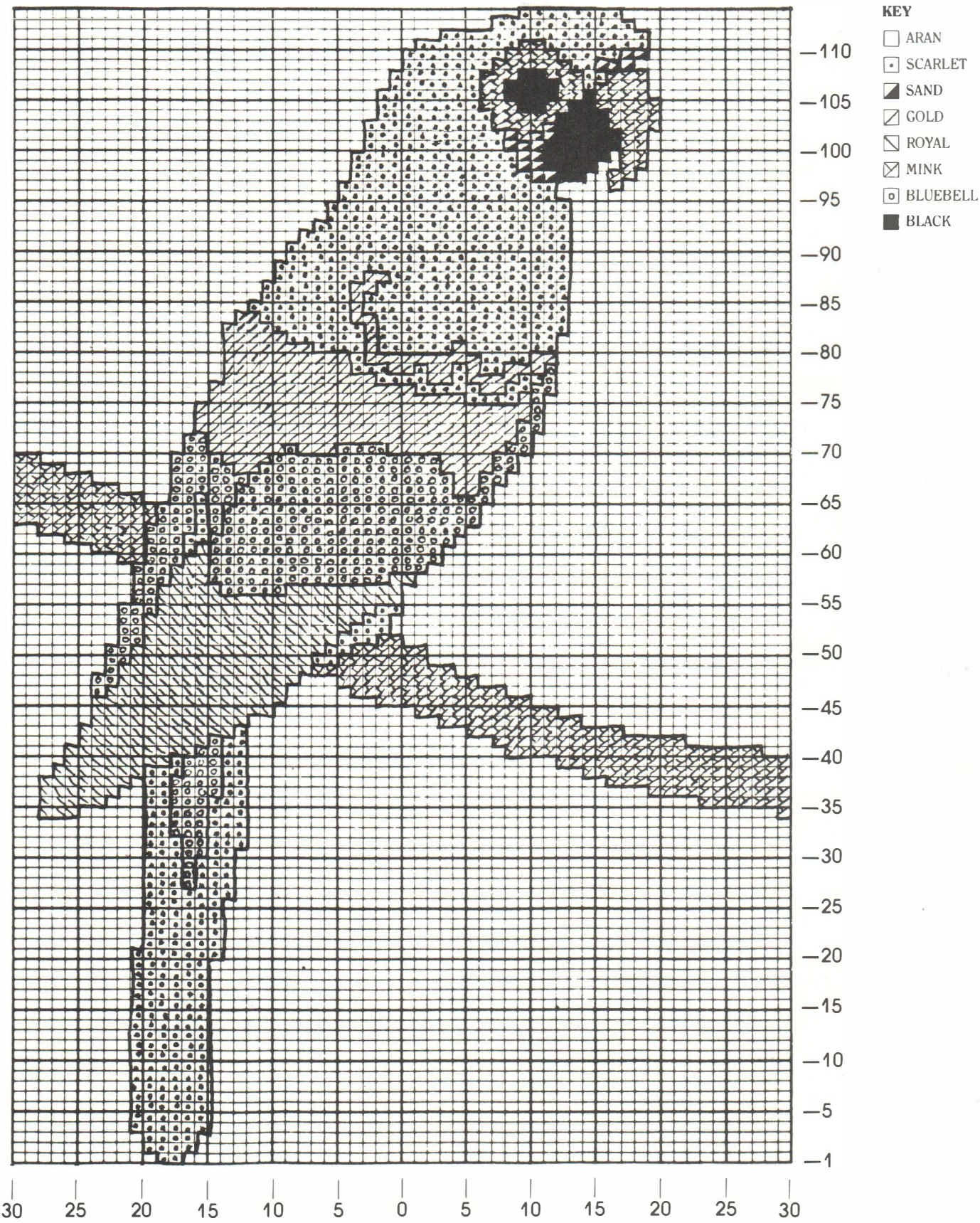
INSPIRATIONAL INTARSIAS *continued*



appliqué them to the design. Send £1.20 to include p&p to:

Rosalie Davis,
'St Valentines'.
165 Upper Fant Road,
Maidstone,
Kent, ME16 8BT.

Please quote this issue of Modern Machine Knitting to ensure you receive the correct instructions for this design.

ADAPTATIONS AND VARIATIONS

King Cole Anti-Tickle wool was chosen for this particular design because of the lovely and vibrant colour range. It is also machine washable and very comfortable to wear, making it very suitable as an all-year round yarn — not too hot for summer but it will keep you warm on those cooler days. You might prefer to choose a more summery yarn such as cotton, but check that the shade range contains the same bright colours for the design.

Macaws, as you will probably know, are more commonly known as Parrots. There are several parrots of different sizes and colourings but the Macaw is, without doubt, the most colourful and ideal for intarsia designs. If placing the design on the front of a garment, the branches could be continued to the side seams and even around the back, particularly if adding leaves in any form. Try starting the branch in front of the Macaw as shown on the chart and continue it behind the bird, taking it across the side seam on to part of the back. Add some extra interest, with smaller branches and leaves.

The Macaw would also look good on a jacket back, extending the branches around to the fronts and adding leaves to both front and back. If you add leaves or extend the branches in any direction, ensure that the Macaw is correctly centred on your garment.

One of the problems of knitting a very colourful intarsia design is which colour to use for the background. It is important not to lose the effect of any part of the design. Black, for example would have been a good background colour to show off the bright plumage, but the area under the Macaw's beak would be completely lost without the use of an embroidered outline in a colour such as Sand. Aran was finally selected even though there are two small areas of Sand on the Macaw's head — the addition of the Black embroidery maintains the outline and keeps the Sand areas separate and a positive part of the Macaw. If Royal were used for all the blue feathers, a light sky blue would make another successful background colour.

Extra detail could be worked to define more of the individual feathers, using a finer yarn for the embroidery stitches. Try Scarlet on the Gold feathers, Royal on the Bluebell feathers and vice versa. One of the colours from the Macaw could be incorporated into the ribs of your garment, either as an edging (use for the cast on and 3 tubular rows only), or in the form of a stripe sequence. For a really colourful garment use Scarlet to edge the ribs followed by 8 rows Aran, 2 rows Bluebell, 8 rows Aran, 2 rows Gold, 8 rows Aran, 2 rows Royal and finally 8 rows Aran, to give a total of 38 rows. If you add green leaves in any form, you could select a matching green yarn to incorporate into the ribbing, either in place of one of the colours or as an extra colour, in which case you could work the stripe sequence above with less rows in Aran between each colour stripe.

For a finishing touch, use little parrot buttons on jacket or cardigan bands. If the Macaw is knitted on the back of a jacket, these would be rather fun and very effective.

Whatever you decide to do with our 'Macaw' design we hope you will enjoy the creating, making and wearing of it. We also hope you have enjoyed the series and gained plenty of experience and inspiration from our intarsia ideas.

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The best learning experience for all machine knitters

NEW POSTAL PATTERN DESIGN COURSE: Offered in 12 monthly lessons to teach the skills and techniques required to design and make patterns. You knit at least 12 garments and you have an option for a certificate at the end. Registrations for the spring term are open now. Course fee of £90.00 is payable in 4 instalments or a discount advance payment of £80 for full 12 months. Send s.a.e. for a prospectus.

INSTRUCTIONAL VIDEO TAPES: Video tapes provide expert instruction when you want it, where you want it and as often as you need it. Kamalini's tapes are professionally produced with lots of close ups for easy viewing and live sound for pleasant listening. All tapes have supporting booklet with garment patterns.

Titles now available: All prices include VAT, postage and packing.

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HOW TO WORK FROM A DIAGRAM PATTERN

The pattern instructions in Modern Knitting are in the form of a diagram pattern, which is by far the easiest form of knitting pattern to use. However, if you are not familiar with diagram patterns, Here's a step by step guide which will teach you to use this easy-to-follow pattern system. Study the symbols on next page carefully then work through the diagram following the written explanation alongside. You'll find it quite straightforward and, once you have knitted your first couple of patterns using this system, you'll wonder how you ever coped with those long winded written patterns.

First of all, take a look at the diagram itself. The diagram is divided into two halves. On the right side you'll find all the stitch and row references while on the left side you can see we've given all the measurements which will help you when pinning your knitted pieces out to size. In addition, you'll find certain items of information on the diagram such as the needle arrangement for the rib, the type of cast on you should do and any other relevant information you might need. As you can imagine, once you are familiar with this type of pattern, you'll be able to see at a glance just what's involved in the knitting of each design without having to read the whole pattern.

Starting at the lower edge, your first instruction is ∧∧∧∧ 60S. This tells you to cast on 60 stitches using the ribber.

ıı!ıı!ıı!ıı! tells you to arrange the needles for a 1 × 1 rib.

000 at the bottom right hand corner tells you to set your Row Counter to 000.

MT-3 tells you to set your Tension Dial to 3 numbers lower than the Main Tension.

The first row number given is 006, so knit to row 6.

The line across the diagram at row 6 tells you that you have finished knitting the rib, so transfer the stitches from the ribber to the main machine.

000 at the right hand edge tells you to turn your Row Counter back to 000.

MT tells you to set your Tension Dial to the Main Tension. Continue knitting until your next instruction which is on row 40.

The diagram pattern shows you that you are now at the stage for shaping the armholes. **Although the shaping instructions are shown on one side of the diagram only, they should be worked on both sides, since the diagram shows there is the same armhole shape on the left side.** If you find it easier to begin with, pencil in the same instructions on the left side to remind you that you have only been given the instructions for one armhole.

1S.1R×2 is the instruction.

1S tells you how many stitches to decrease.

1R tells you how many rows after each decrease.

×2 tells you how many times to decrease.

Therefore, 1S.1R×2 means:-

Decrease 1 stitch on both sides (you are repeating the shaping instructions for the left armhole). Knit one row.

Decrease 1 stitch on both sides, knit 1 row.

The next instruction is 1S.2R×1. Therefore, decrease 1 stitch on both sides (you are repeating the shaping instructions for the left armhole). Knit 2 rows.

The next instruction is 1S.3R×2.

Therefore, decrease 1 stitch on both sides (you are repeating the shaping instructions for the left armhole). Knit 3 rows.

Decrease 1 stitch on both sides. Knit 3 rows.

Your next instruction is not until Row 68 therefore knit to row 68 without shaping.

The diagram pattern shows you that you are now at the stage for shaping the neck.

The symbol ⩛ tells you to divide the work in half and knit each side separately.

Therefore, either push the needles at left into holding position, or knit them onto waste yarn and remove from the machine. Now knit the right side as follows: —

5 S tells you that 5 stitches form the base of the neckedge.

Therefore, using a length of main yarn, cast off 5 stitches.

Your next instructions are for the neck shaping

2S.2R × 1
1S.2R × 2
1S.1R × 1

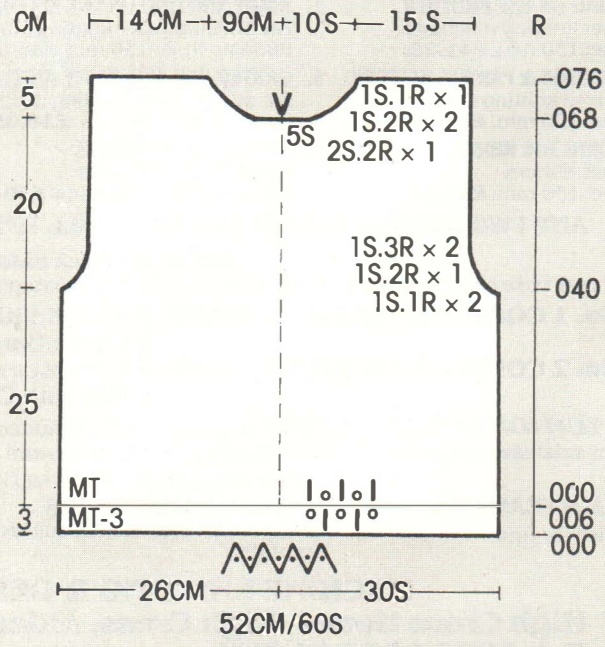
and should be carried out in the same way as before.

The last instruction is on row 76 where the straight line shows you should cast off the remaining 15 stitches.

Then, of course, you must turn the Row Counter back to 68 and knit the left half of the neck in the same way.

For those of you who are new to diagram patterns, the important points to remember are: —

1. The stitch, row and shaping references are on the right half of the diagram.
2. Shaping instructions are given for the right side of the diagram only. They should be repeated on the left if the diagram shows there is the same shape on the left.
3. A shaping instruction such as 2S.1R × 3 means decrease 2 stitches, knit 1 row, 3 times in all.
4. Don't worry too much if you find you're the odd row or stitch out on your first couple of attempts. Nobody will notice and you'll soon get the hang of using diagram patterns and wonder how you ever managed without them.



SYMBOLS FOR THE DIAGRAMS

Closed edge cast-on

Cast-on using waste yarn

Closed edge cast-on with ribber

Loose row

°|°|°|°| Needle arrangement
1 = needle in work position
0 = needle in non-work position

S = Stitches

( ) Larger sizes

① Colour

Turn up a hem

✱ Pattern stitch

R Row

MT Main Tension

V Divide work in half and knit each side separately

Repeat

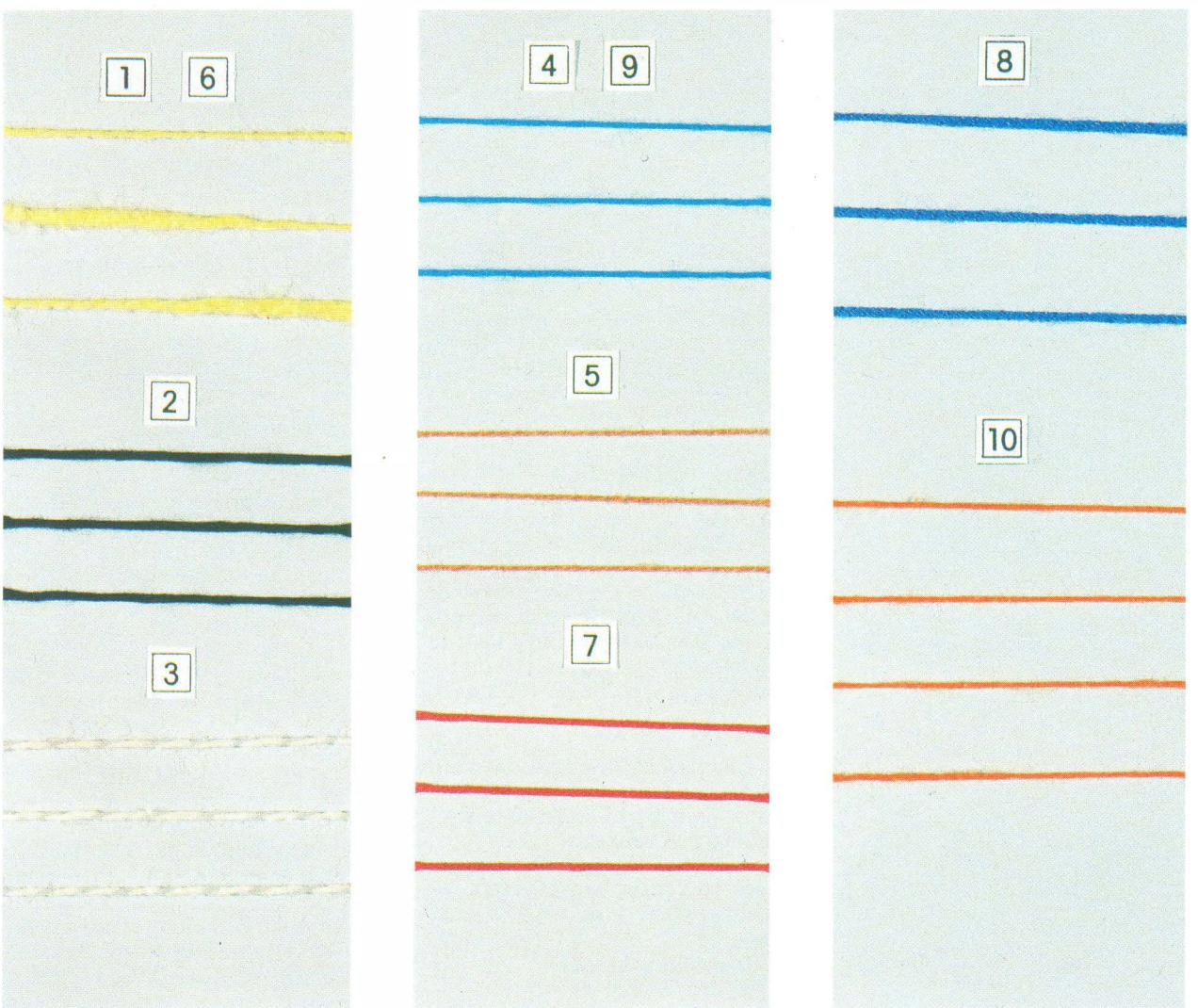
2S.2R x 3 is an example of shaping instructions shown on the diagram. The shape of the diagram will indicate whether you are required to increase or decrease.
2S.2R x 3 would mean decrease (or increase) 2 stitches, knit 2 rows, 3 times in all.

Abbreviations

Alt	– Alternate
Approx	– Approximately
Beg	– Beginning
Carr	– Carriage
Cm(s)	– Centimetre(s)
Col	– Colour
Dec	– Decrease
Ev	– Every
Foll	– Following
HP	– Holding Position
Inc	– Increase
MT	– Main Tension
N	– Needle
Ns	– Needles
NWP	– Non Working Position
Patt	– Pattern
Pos	– Position
Rept	– Repeat
Rem	– Remaining
RC	– Row Counter
St	– Stitch
Sts	– Stitches
TD	– Tension Dial
Tog	– Together
UWP	– Upper Working Position
WP	– Working Position

YARNS USED IN THE PATTERNS

For your reference we have included an actual size representation of the yarns we have used in the patterns this month. You may find it useful to see how each particular yarn looks before it has been knitted into a garment and it will be particularly useful when we haven't quoted a brand of yarn, simply a type of yarn.
Our overseas readers will also find it helpful since not all the yarns will be available in all countries. However, having said that, it will certainly be worthwhile writing to the spinners listed in our Stockist Information to see if there is an overseas mail order service available.



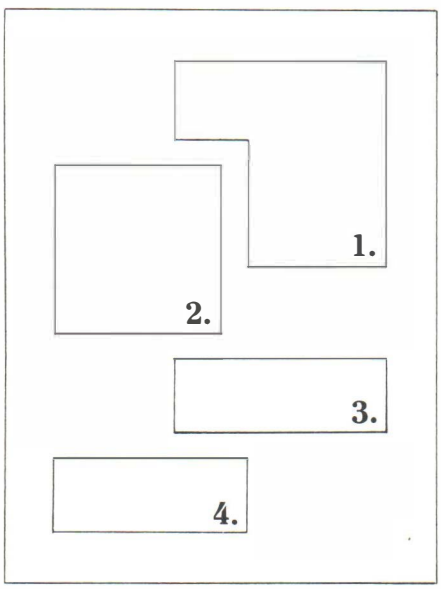
Exclusive offer to readers of Modern Machine Knitting

THE SWATCH SPOT

Use our 'Special Offer' coupon and Save 55p

By Sarah Pooley

I always used to think that the procedure for incorporating beads into knitted fabric was a somewhat lengthy technique, either involving the tedious threading of beads on to a great length of yarn to be 'knitted-in' where required or, many hours spent with a needle and thread, adding beads by hand to the surface of the fabric on completion of knitting and pressing. With the 'Bead Transfer Tool' from Hague, all these problems have slipped away — this special tool allows you to quickly pop the bead into position whilst you knit, giving a finished beaded fabric as you remove the knitting from the machine.



Inspiration for our August Swatch Spot is taken from the Daisy Sweater in this issue. Instead of Swiss darning every flower centre, we have chosen the alternative of adding knitted-in beads to create all-over surface interest with a stunning finish.

In contrast, we have also designed two border fabrics with more heavily beaded areas. The beads in Swatch 3 are incorporated into a small Fair Isle design whilst Swatch 4 illustrates a deep hem of beads positioned to create a diagonal pattern.

We have included detailed instructions on how to use the 'Bead Transfer Tool' by kind permission from B Hague & Co Ltd — the diagrams are clear and easy to follow. Once you have got the hang of this technique you will find it totally addictive! If you are knitting stockinet with beads, it is easier to push the needles to holding position after each beaded row to ensure the stitches knit off properly. However, this is not possible with Fair Isle patterns as the machine would pick up all the needles in holding position in colour 2. Instead, you will have to hold the beads down with your thumb nail as you knit across the row. It also helps if you move the carriage slowly and carefully.

The illustrated samples are knitted in cotton but you may find it easier to start with wools which have more stretch to help you on your way.

The Bead Transfer Tool is available from your local stockist for a recommended retail price of £2.80 or by mail order from:

B. Hague & Co Ltd,
45 Mile End Road,
Colwick,
Nottinghamshire, NG4 2DW.

We used beads which are available by mail order from:

B.S.K. Ltd,
58 Bromham Road,
Bedford,
MK40 2QG.

These beads cost £2.55 per tube and come in a range of 14 different colours or as a tube of mixed colours to get you started.

FABRIC INSTRUCTIONS

Yarns: 4ply cotton
Col 1 — Navy
Col 2 — White
Col 3 — Straw

SWATCHES 1 & 2

(For standard gauge punchcard/ electronic machines)

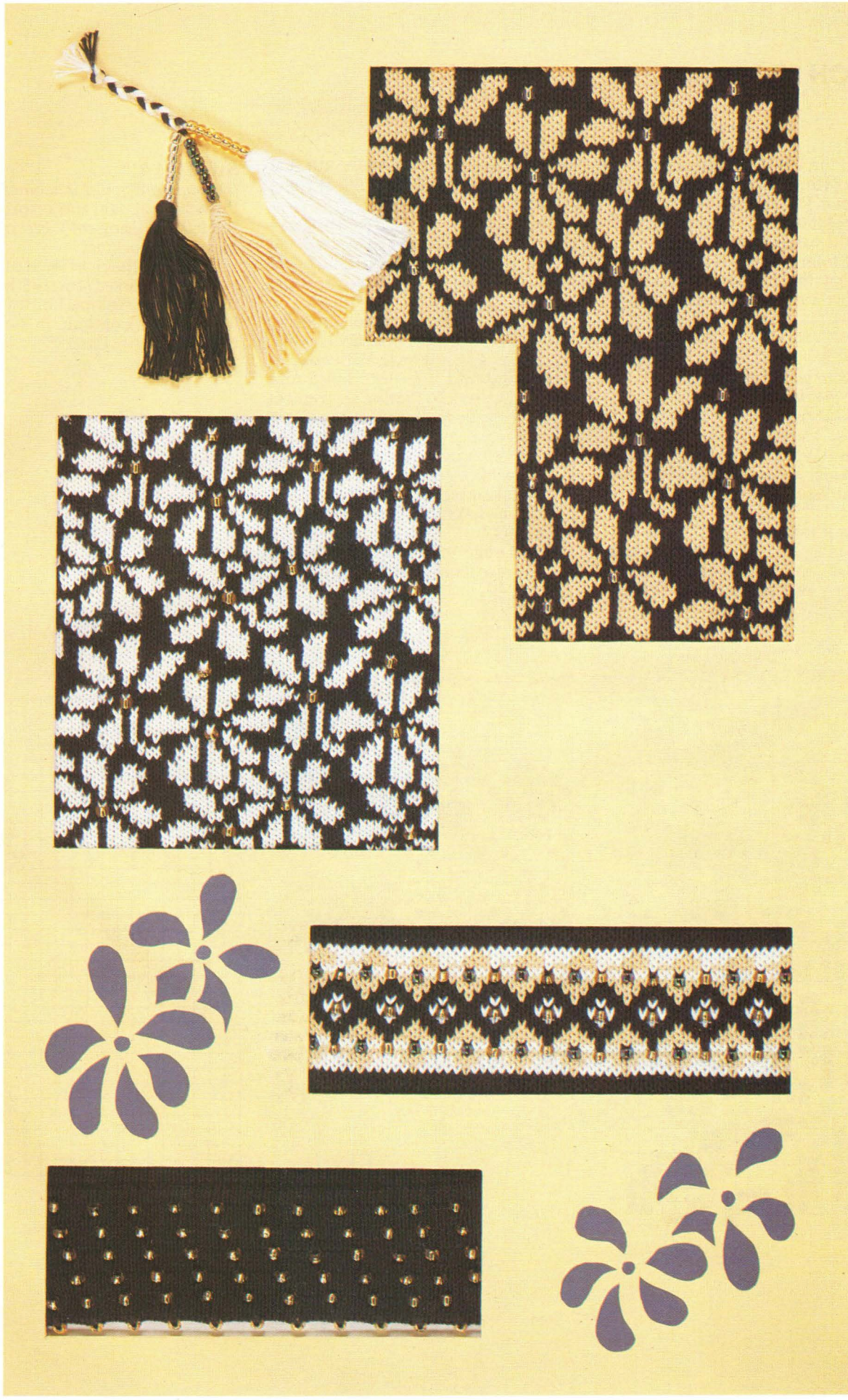
Push 30 Ns at left and right of centre O to WP (60 Ns). Using col 1, cast on. Insert special card 1 and lock on row 1. Knit 20 rows stockinet and turn up a hem. Release card. Set carr for Fair Isle.

RC 000. With col 1 in feeder 1 and col 3 in feeder 2 for Swatch 1 (or col 2 in feeder 2 for Swatch 2) throughout, knit 5 rows. RC 005. Hang a bead on the 4th st at right of centre O and every 24th st along the pattern width.

*Knit 5 rows. RC 010. Hang a bead on the 5th st at left of centre O and every 24th stitch along pattern width.

Knit 13 rows. RC 023. Hang a bead on the 6th st at right of centre O and every 24th stitch along pattern width. Knit 6 rows. RC 029. Hang a bead on the 8th st at left of centre O and every 24th st along the pattern width. Knit 6 rows. RC 035. Hang

Continued on page 18



a bead on the 7th st at right of centre O and every 24th st along the pattern width. Knit 13 rows. RC 048. Hang a bead on the 4th st at right of centre O and every 24th st along the pattern width.*

Repeat from *to* for required length noting that the row counter readings given above are for first repeat only.

SWATCH 3

(For standard gauge punchcard/ electronic machines)

Push 30 Ns at right and left of centre O to WP (60 Ns). Using col 1, cast on. Insert special card 1 and lock on row 1. Knit 4 rows stockinet in col 1. Release card. Set carr for Fair Isle.

*With col 2 in feeder 1 and col 3 in feeder 2, knit 3 rows. With col 2 in feeder 1 and col 1 in feeder 2, knit 1 row. Hang a gold bead on the first st at right of centre O and every 6th st along the pattern width. Hang a navy bead on the 4th st at right of centre O and every 6th st along pattern width.

With col 1 in feeder 1 and col 3 in feeder 2, knit 3 rows. With col 1 in feeder 1 and col 2 in feeder 2, knit 2 rows. Hang a gold bead on the first st at right of centre O and every 6th st along pattern width.

With col 1 in feeder 1 and col 2 in feeder 2, knit 1 row. With col 1 in feeder 1 and col 3 in feeder 2, knit 3 rows. With col 2 in feeder 1 and col 1 in feeder 2, knit 1 row. Hang a gold bead on the first st at right of centre O and every 6th st along pattern width. Hang a navy bead on the 4th st at right of centre O and every 6th st along pattern width.

With col 2 in feeder 1 and col 3 in feeder 2, knit 3 rows. With col 1 in feeder 1 only, knit 4 rows.*

Repeat from *to* for required length or knit one repeat only for a border pattern. Cast off.

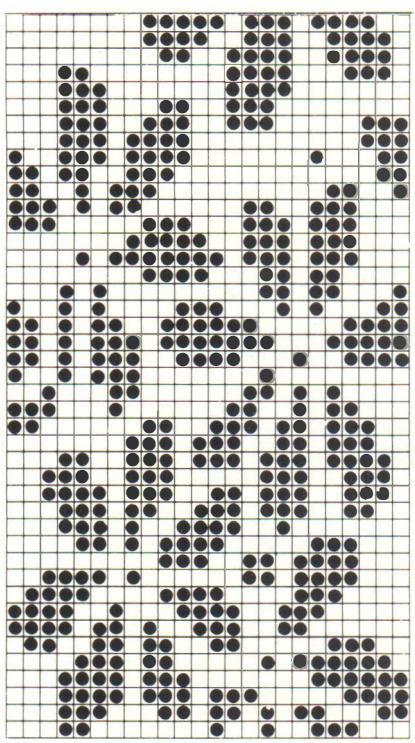
SWATCH 4

(For standard gauge machines)

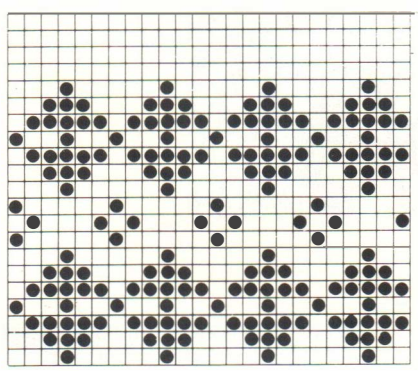
Push 30 Ns at right and left of centre O to WP (60 Ns). Using col 1, cast on and knit 31 rows in stockinet.

Following the chart for Swatch 4, hang a bead on a marked st every 5th row for 31 rows. Pick up first row knitted in col 1 to form a hem. Continue in stockinet for required length. Cast off.

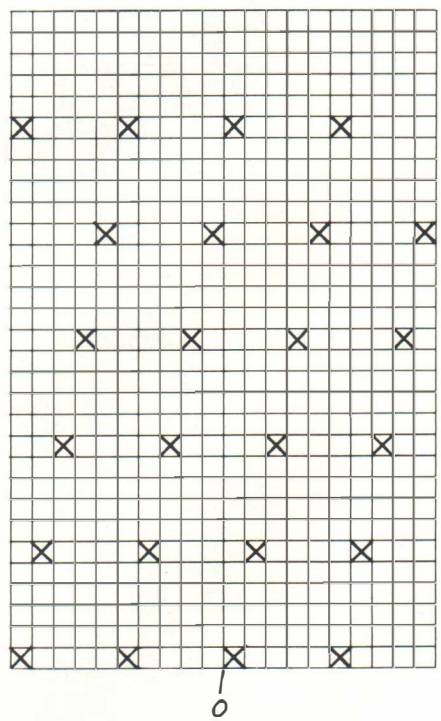
Special Card 1 for Swatches 1 & 2



Special Card 2 for Swatch 3



Bead Chart for Swatch 4

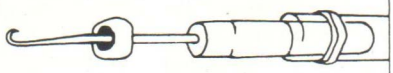


X = Hang a bead on marked needle.

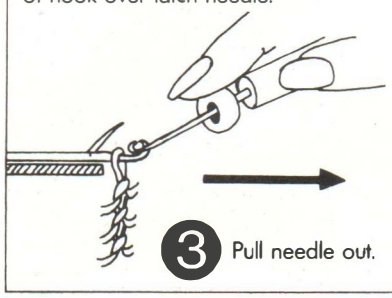
HOW TO USE THE

BEAD TRANSFER TOOL

1 Place bead on hook

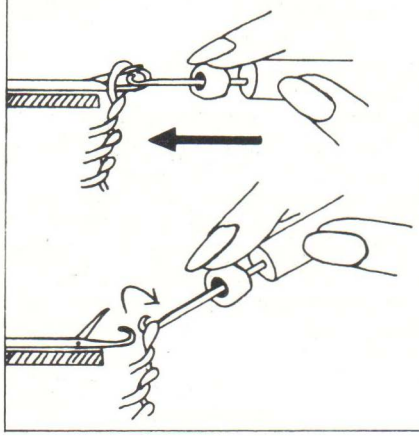


2 Hold bead with finger and place eye of hook over latch needle.

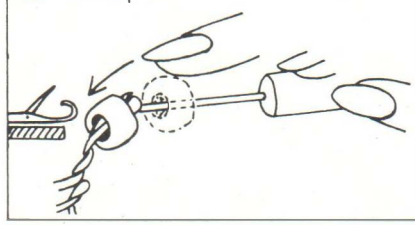


3 Pull needle out.

4 Push needle back in, so that stitch slips over latch onto hook. Remove hook, with loop, from latch needle.

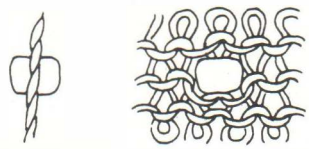


5 Push bead over end of hook onto stem of loop.



6 With latch needle at knit, place eye of hook back onto needle. Tilt hook handle up a little. Slip loop back onto needle.

Bead will sit half way through the knitting, with a loop through the centre.



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LETTERS, HINTS & TIPS

★ LETTER OF THE MONTH ★

Dear Sue,

I would like to offer a few suggestions to Carol Thompson (May issue) on the use of DK yarns on the standard gauge machine. I use a lot of DK yarn, mainly because I can buy it so cheaply in sales. I recently bought a quantity of excellent quality cotton mixture yarn, of a German make, for only 10 pence per 20 gram ball (no, I can't resist buying yarn and yes, I am a secret hoarder). I have knitted this into a beautiful chunky look sweater using a tuck stitch pattern over alternate needles.

There are many tuck stitch punchcards which can be used on alternate needles or various combinations of needles out of work. This is known as Tuck Lace but if DK yarn is used, the effect is not usually 'lacy' but 'closed up'. The DK yarn knits these stitch patterns easily with no stiffness or jamming.

Also, DK yarns are ideal to use for Punch Lace in conjunction with a fine 2/30's type yarn. I love Punch Lace and I have knitted many jumpers which have been much admired. They are also very economical on the DK yarn (especially Card 1 elongated). The same 2/30's yarn can be used double or treble to knit lovely neat stocking stitch hems for the garment, without producing bulk.

Yet another way of knitting DK without creating stiffness is to use the Fair Isle setting. Small, all-over designs are good, particularly Card 1 again, which gives a bird's eye pattern in two colours, or a plain stocking stitch effect with the same colour in both feeders. It also produces a lovely thick chunky fabric, similar to a triple knit.

Of course, one has to work out the shaping for oneself from a tension swatch. I use the Knit Radar which I find absolutely indispensable now — in fact, I never use a written pattern at all and I would recommend this accessory (if not already built into the machine) as a sound investment.

Failing this, there are many books available containing good instructions for working out your own patterns. This is not too difficult for a dropped shoulder T shaped style to start with.

Last but not least, as I do not have a ribber, a big bonus as far as I'm concerned is that I (dare I say it!) often hand knit the ribs, which is quick and easy in DK and the stitches can be transferred to the machine for the main part of the garment. I use a lot of fancy ribs and cables, not just K1, P1 rib. I am also hand knitting and crocheting some lacy edgings on to my jumpers at the moment to keep up with the latest fashion trends — again, much quicker to do in DK!

So, as you can see, I would not be without DK yarn for my standard gauge machine (in spite of having to wind the balls) and I hope I have been able to help Carol and other readers with some ideas.

Yours sincerely,

Dee Lovatt, Rayleigh, Essex.

● *Last month, Dee sent us her tip for storing used punchcard roll in tubes — this time, her letter is just packed with useful information and helpful ideas, so we feel that she deserves a FREE SUBSCRIPTION to Modern Machine Knitting. Well done Dee — let's hope Carol Thompson and others who would like to use more DK yarns, will take inspiration from your comments and experiment with some of these stitch patterns!*

'LETTER OF THE MONTH'

★ **If your letter is of special interest, you could win a FREE SUBSCRIPTION to Modern Machine Knitting.** ★

Dear Sue,

I am writing in the hope that you might be able to send me information on what kinds of literature and so on is available to registered Knitting Clubs. I am, at present, considering starting a new club locally, having studied the ULCI Home Machine Knitting Course for three years.

I would be very grateful for any information and, indeed, any advice you may be able to offer me in my new venture.

Yours sincerely,

Anne Lister, Westhaughton, Nr Bolton, Lancs.

● *There are several things to consider when forming a new knitting club and you might find it helpful to look up articles on the subject in back issues of various machine knitting magazines — most machine knitters keep their collections over the years and it is a question of scanning the contents pages to find what you are looking for. Much has been written about the organisation and running of a club, but we can offer a few suggestions to get you started.*

The purpose of a good knitting club is to provide a meeting place for people who share an intererst in machine knitting, so the first thing to make sure is that you have the initial interest within your local area. If you already know of a group of people who are keen to become 'founder members' of the new club, it might be a good idea to get together and discuss possible ideas for the club format. Do you want to keep the club small and intimate — perhaps limiting the numbers and holding meetings in members' homes, or will you have a much larger rersponse, in which case you will need to decide on a suitable venue such as a hall or room at the local Adult Education Centre, for example.

Consider how often and when you would like to hold the meetings — again this will require a little canvassing amongst would-be members — some might want day-time meetings whilst others would prefer evenings. If you need to hire a venue, there is the cost to consider, how much to charge members and whether you will include refreshments.

What type of things would you like to include in the meetings? Will each session be a simple interchange of knitting ideas between members or would you like it to be more structured, possibly with a planned demonstration or speaker.

Apart from all this, there is also the question of the level of knitting experience within the group and the various types of knitting machine owned. Beginners might not want to sit through an evening of advance knitting, whilst others, who are well past the learning stage, will enjoy being inspired and 'stretched' by some of the more difficult and creative aspects of the craft. There is always the problem of not pleasing everyone all of the time!

Finally, if you would like to be the Club Organiser, will you need others to help you run the Club? This will depend on the size of the club and what you plan for the meetings. If you cannot cope with this alone (and it could mean a lot of work and time), don't be afraid to delegate!

You might like to know that there is a new Newsletter for Knitting Clubs called 'Clubline' — this is published especially for clubs and includes 'club news' nationwide (provided by club leaders and members) as well as information on places to visit, speakers, demonstrations, exhibitions and special offers. To register on the Clubline Directory you can write to:

The Editor, Clubline, FREEPOST 623, Maidenhead, Berkshire SL6 8YZ.

This is a great way of finding out what is going on in other clubs around the country and a means by which you can advertise your own club and its activities.

Meanwhile, good luck with your venture — do write and let us know how you get on.

LETTERS, HINTS & TIPS

Dear Sue,

I am hoping that you or one of your readers might be able to help. I have just bought a second-hand Singer 2310 Memomatic machine plus books and tapes but I find that I can only get as far as the absolute basics. I have asked for help at my local wool shop and also at the local college, but no-one knows enough about this model of machine.

Eventually I was given the name of one lady, but she lives in Chatham which is too far away. Also, she charges £10 per lesson, which is too costly as my husband and I are both unemployed and nearing retiring age.

I would be willing to come to some sort of arrangement with anyone who knows this machine well and who is prepared to help. I was lucky enough to receive 'help' once before, in 1989, when I wrote to your magazine asking if anyone could help me to find 'Typically English' characters.

Here's hoping I'll be just as lucky once again!

Yours sincerely,

Mrs S. Philbin, Northfleet, Kent.

● *As there were quite a few of these machines about, we are sure that someone will be able to come to Mrs Philbin's aid. It is always amazing how quickly you can pick things up when someone else is willing to show you how! So, if you can help in any way, please let us know and we will put you in touch.*

Dear Sue,

Could you have a series on the LC2 Lace carriage please? I am trying to use mine, having left it tucked away in its styrofoam packing for longer than I care to mention! I have had problems with it knitting solid patches where there should be lace. I gather this may be to do with weighting but would appreciate some advice and ideas on its use.

I take two other knitting magazines and find that most of their lace patterns and articles cater mainly for the Jones/Brother carriages — I am sure other Knitmaster owners would like a bit more attention.

● *We apologise to the contributor of this letter that we were unable to decipher the signature, but it could be M Birley? From Acle, Norfolk.*

We have made a note of the suggestion for a series on the LC2 for a future issue. There could be several reasons why the carriage is not knitting the lace pattern properly. It is true that lace must be evenly weighted and that the weights should be moved up the fabric at regular intervals as the knitting progresses.

Another tip applies to owners of ribbers — the ribber needlebed should be covered, preferably with the proper plastic accessory (to protect the fabric from catching on the sinker posts or rubbing against the carriage rail) and, as the lace knitting commences, the lace fabric should be positioned in front of the ribber bed and NOT hanging down between the two needlebeds. This is because the main bed is clamped to the knitting table at an angle with the ribber attached which can cause stitches to drop or the pattern to go wrong.

As the lace carriage in question has not been used for some time, it would also be a good idea to check that it is clean and free from yarn fibres and that the guide rail is also clean and oiled for smooth knitting. Where errors occur in the pattern, check that the card is marked correctly, that there are no damaged needles or bent sinker posts and that the yarn used for the fabric is suitable for lace knitting, threaded correctly and being used on a suitable tension setting.

All these points might seem obvious but, as with any stitch pattern which goes wrong, it could be one of these things causing the trouble. If all else fails and problems still occur, it might be worth having the lace carriage checked at your nearest dealer, to see if it is damaged in any way.

Dear Sue,

I have recently become the owner of a YC6 colour changer but seem to be having trouble following some of the more complicated Fair Isle patterns. The two main problems I have come up with are as follows:

a) How to change colour after knitting an odd number of rows and

b) How to change the background colour.

At the moment I have manager to overcome the first problem by adding an extra row but every time I try to change the yarn in feeder 2 I get into all sorts of trouble.

I have read the article you gave a few months ago on the colour changer but it didn't really help with these particular difficulties. Having waited a long time to be able to use this attachment I really would like to get to grips with it so hope you may be able to point me in the right direction.

Yours sincerely,

Jenny Hubbard, Purley, Surrey.

The colour changer is one of those accessories which can seem a little daunting at first. As you mention changing the background colour, I assume you are using the YC6 for single bed knitting, in which case, only the yarns in feeder 1 (which knit as the contrast) can be changed automatically using the changer itself. The yarn in feeder 2 has to be changed manually, i.e. break off the yarn end of the colour already threaded in feeder 2 just above the cone at the back of the machine and tie it to the end of the new colour you would like to use (if you have previously used this new colour in the colour changer it will have to be un-threaded so that the end is free). Now pull down the yarn carefully until the knotted piece (where the colours change) passes well below the carriage assembly and secure it before knitting the next row.

As the YC6 has to be fixed to the left hand side of your machine, this is the side where the colours have to be changed and therefore you should select patterns with even row changes. Fair Isle patterns for machine knitting are generally designed in this manner to avoid long floats across single rows or lots of unsightly yarn ends along the edges. On the other hand, traditional hand knit Fair Isle designs are often worked on odd rows but hand knitters do not come up against the limitations of the machine and are free to change colours at will.

Next time you design or choose a multi-coloured Fair Isle pattern it is worth considering these points, especially if you intend using your colour changer. You may have to consider changing the design slightly and perhaps work out a simple but effective colour sequence — it might even be worth your while winding off two balls of certain colours which you would like to swap from contrast to background to save the trouble of un-threading the colour changer, but you will have to take into account the number of yarns you can thread into your tension mast at any one time. There are now eight-way Tension Assembly units available which can be clamped to your knitting table — giving plenty of scope for using more colours.

Perhaps these tips will be of help and get you on the right track to using your new colour changer to its full potential. If anyone else has any further ideas to pass on to Jenny we are sure that she would be most grateful.

£5 REWARD!

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Modern Machine Knitting
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GETTING TO KNOW YOUR KNIT RADAR/CONTOUR

(Part 3)

By Carol Didymus

This is the final part in our series on the Knit Radar. By now you should be familiar with the charting device and perhaps you have tried some of the adaptations to the basic blocks we suggested last time to get that perfect fit. This month we are going to look at the basic raglan block as well as how to draw up a Knit Radar block from a hand written pattern.

RAGLAN SHAPINGS

We are all used to following a written pattern, either for hand or machine knitting, which tells us exactly how to shape the raglan. This often involves decreasing one stitch at both ends of the work on alternate rows and, sometimes, on every row towards the top of the raglan. This gives a nice even look to the raglan seam and, when worked fully fashioned, produces a professional finish and added interest to an otherwise plain garment. The pattern writer has worked out all the shapings to a given yarn and tension, so you must use that same yarn and achieve the same tension in order that the garment ends up the correct shape and size.

The Knit Radar provides you with a basic block, which you then use whatever the yarn, stitch pattern and tension you require, but don't expect it to do the impossible and work out even raglan shapings for you. If you simply follow the outline you will find that the shapings can be irregular, sometimes on alternate rows, then jumping to every three rows and so on. When you are knitting in a stitch pattern, this in itself won't matter because you can straighten up the edges when joining the garment pieces together. However, it does slow the knitting down somewhat when you have to follow the block so closely and is no good at all on fully fashioned garments.

WORK OUT THE SHAPINGS

First draw a pencil line across the basic block, level with the armhole cast off line on the size you want to work out. The next step is to find out how many rows you need to knit between the armhole and neck edge.

Let's assume a tension of 31 stitches and 44 rows to 10 centimetres. Turn the block sideways with the neck edge on the left. Find the STITCH SCALE which corresponds to 44 and, with the number 44 on the left and 0 on the neckline, lay the ruler parallel with the centre line, NOT down the raglan line and read off the number on the scale where it meets the pencil line. For example, it might be 116, which means that there are 116 rows to knit from armhole to neck — see **Diagram 1**.

To find out how many stitches we need to decrease, take the stitch scale ruler which corresponds to the tension. For example, in this case, you would take number 31. Lay the ruler along the pencil line at the armhole, with 0 on the centre line and, reading from the centre to the right, see how many stitches are left after the initial cast off at the start of the armhole. It is only necessary to measure one side of the centre line as the other side will be identical. In our example, the reading might be 85 — see **Diagram 2**.

Now move the ruler up to the neck edge. With 0 on the centre line and reading to the point where the neck and armhole meet, read off the number — see **Diagram 2**. In this case, the number is 23. These are the neck stitches and they must be subtracted from the original number measured at the armhole level. i.e. $85-23=62$, so there are 62 stitches to be decreased on the raglan. As the stitches are to be decreased on alternate rows, divide the total number of rows for the shaping by two. i.e. $116\div2=58$, so there are 58 alternate rows on which one stitch can be decreased. There are four more stitches to get rid of so if 54 stitches are decreased on alternate rows and then on every row 8 times, the extra stitches can be fitted in at the top.

The front and back raglan will have a different number of rows with the front being shorter due to the neckline. In my example, the front raglan worked out at 110 rows with 60 stitches to be decreased. After halving the rows to 55, 5 extra stitches need to be decreased, so decrease on alternate rows 50 times and on every row 10 times.

Follow the same shapings for the front and back raglans and they will match perfectly.

SLEEVE TOP KR6

If you have a KR6 Knit Radar, you may wonder why you have a triangle at the top of the sleeve — see **Diagram 3**. The horizontal line at the base of the triangle is the front neckline — when you reach this line you cast off the number of stitches indicated on the stitch scale ruler on the left or right of centre 0, depending on which sleeve you are knitting. The right hand side of the triangle is the continuation of the back raglan shap-

Continued on page 24

Modern Machine Knitting

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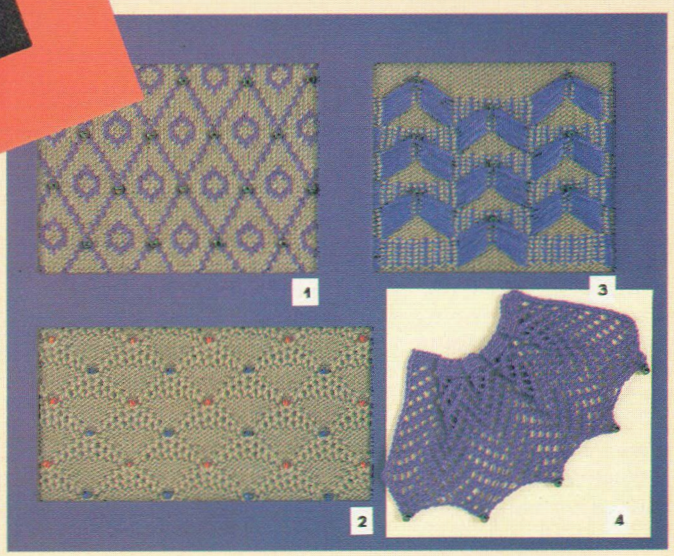

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GETTING TO KNOW YOUR KNIT/RADAR CONTOUR

continued from previous page

ing and the left side of the triangle is the back neck shaping. If you look at **Diagram 4** you will see the finished raglan shape on completion of knitting.

MAKING A RADAR BLOCK FROM A HAND KNITTING PATTERN

Most of us have, at some time, seen a hand knitting pattern that we liked and wished that we could adapt it for the machine. All you will need to make your own Radar block is some tracing roll (obtainable from you local Silver Reed stockist), a pencil and a ruler.

Begin by drawing in the margin lines, the centre line and the base line, leaving enough blank space below for the roller to grip. Look at the tension given in the pattern — it may be stitches and rows to 1 inch (2.5 centimetres); 2 inches (5 centimetres) or 4 inches (10 centimetres). If your pattern is either of the first two examples you will need to work them out to 10 centimetres.

Once you have arrived at the numberof stitches and rows to 10 centimetres, select the correct stitch scale and place it in front of your tracing roll in the Radar and set the correct number of rows on the row dial. Look at the number of stitches to cast on and draw a line across the block evenly on either side of centre 0. The pattern instruction will next say how many rows of rib to knit, so click the block down manually that same number of rows and draw a line across.

Next, click down the number of rows to the start of the armhole. The instruction might say to cast off 6 stitches, so draw a line in 6 stitches. Now make a note of the stitch scale number at this point and proceed as follows:

KR6: click down 2 rows.

KR7: click down 1 row and if the shaping is to be the same at the other end, draw in a line 6 stitches in, make a note of the stitch scale number and click down one more row.

Continue to follow the shapings given in the instruction, placing dots and making a note of the stitch scale number each time, because once the dot has disappeared it's a job to remember where you are. When you reach the end of the pattern, take out the sheet and join up your dots to complete your Radar block.

Written machine knitting patterns can be made into blocks in the same way. If you are following a chunky pattern remember that the row scale cannot register below 28 or 30. So, assuming

DIAGRAM 1

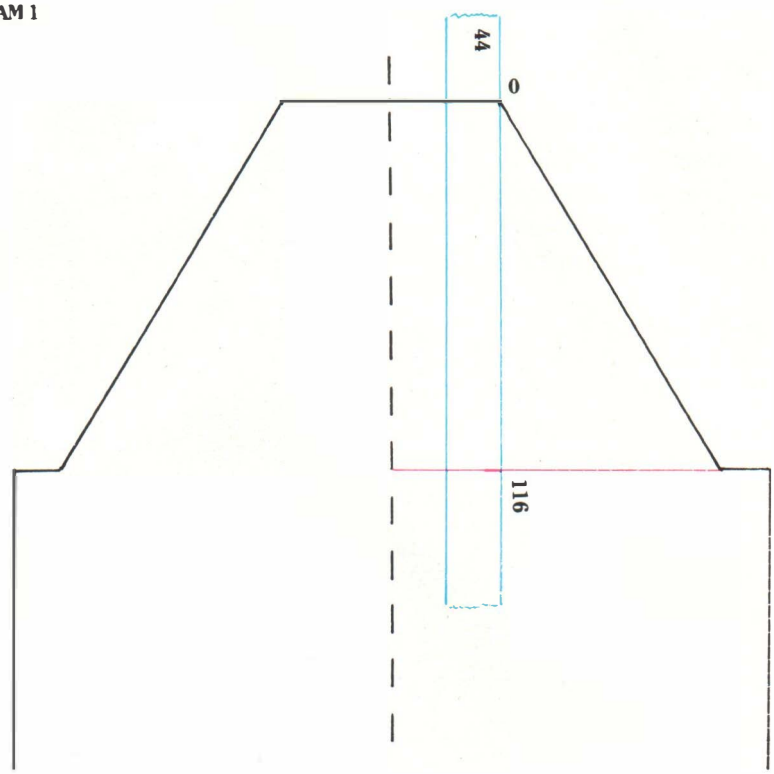
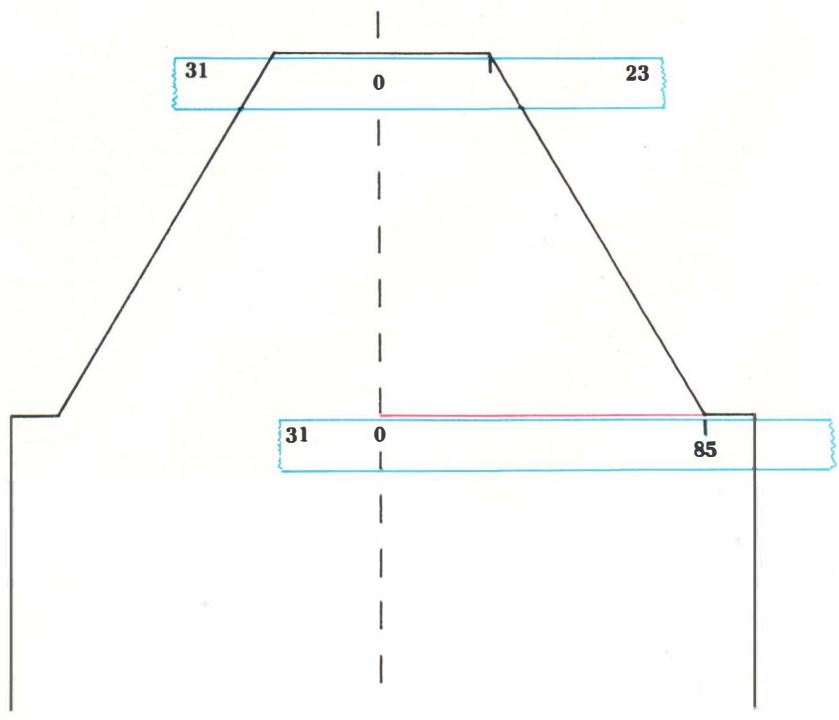


DIAGRAM 2



your pattern gives a tension of 16 rows to 10 centimetres, you will need to double the number to 32 rows to set the row dial and then you must remember to click down twice for each row to make the outline of the pattern shaping.

We hope you will enjoy using your Radar and that you will now feel more confident to try some of the suggestions and adaptations to help you get a better fit to your garments, a wider choice of patterns to utilise and maximum potential from your charting device.

DIAGRAM 3

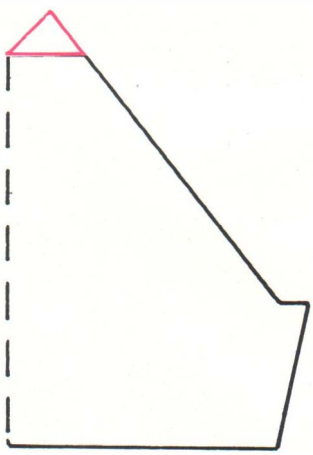
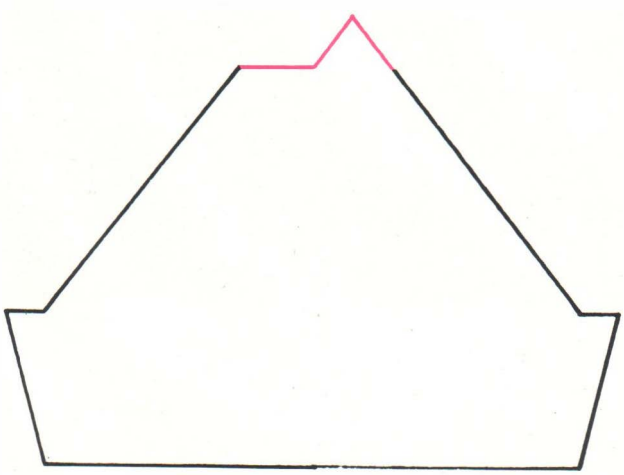


DIAGRAM 4



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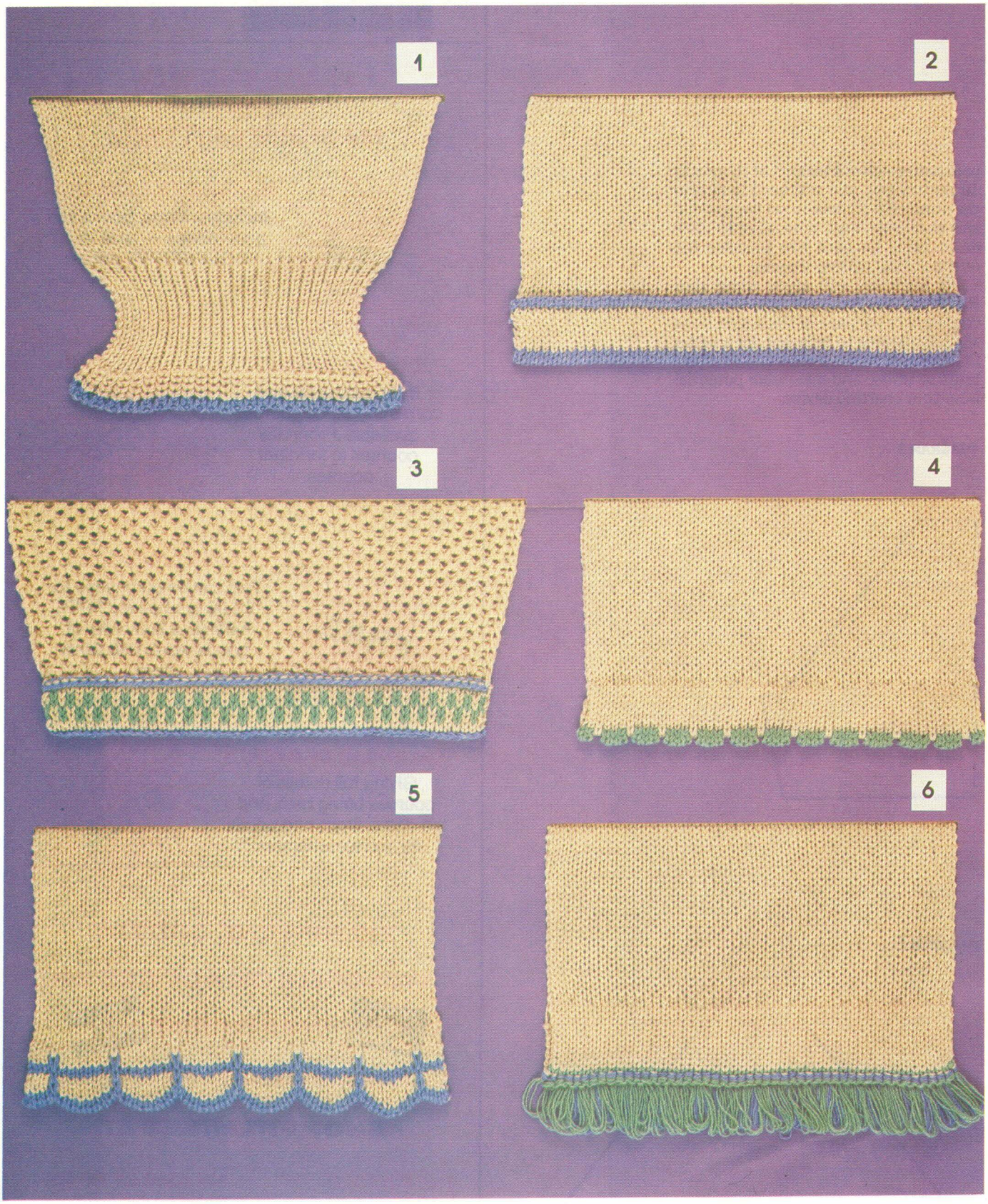
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FINISHING TOUCH

By Angela Gordon

DECORATIVE EDGINGS

When designing a garment it is often through habit that we choose to start with a straightforward 1 × 1 or 2 × 2 rib. With a little thought, we can instead use to greater effect, one of hundreds of possible alternatives. This month, Angela describes and illustrates six of her own ideas which might encourage you all to experiment further.

Towards the end of summer, evenings can become a little chilly, so I have chosen a yarn which has a summery look but a warm handle. 'Calico' is a 30% cotton/70% acrylic yarn which, when steamed, looks very much like soft cotton. Calico is a 2/19's yarn and three strands twisted together make an approximate 4ply thickness (two strands twisted together make an excellent yarn for Double Jacquard fabric). This quality is available in 18 colourways on cones in any weight from 100 grams upwards, from:

Christiana Wools,
Whitton View,
Leintwardine,
Craven Arms,
Shropshire, SY7 0LS.

Although the illustrated samples have been knitted as edgings which form the lower hemline, it is possible for them all to be knitted as edgings at any point on the garment, by simply knitting them separately and then picking up the edge at the appropriate point. Most of the ideas would make excellent button bands and collar edgings.

I have used tension 5 as the main tension on my Knitmaster 360 and this produced an attractive fabric when steamed. All colours in the samples are used three stranded.

SAMPLE 1
Fluted edged 1 × 1 rib

Having suggested that we try to develop ideas other than simple ribs, I now start with an alternative edging for a 1 × 1 rib! It is common practise to try to overcome the fluting at the cast on edge of ribs, but here we try to emphasise it by tucking for the first few rows. I use the close knit bar to help the tuck loops to knit off properly.

Using mauve and tension 1/1, cast on and knit 2 circular rows. Set the ribber to tuck in one direction (half Fisherman's rib) — pick knob to left and one set lever to O, knit one row. Change tension to 1/2 and change colour to beige. Knit 8 rows then set machine for normal 1 × 1 rib. Change to tension 0/0 and knit 20 rows. Transfer all stitches to the main bed and continue in stocking stitch at tension 5.

SAMPLE 2
Edging with contrast pin tucks

This is a simple stocking stitch edging with small pin tucked hems knitted in contrast yarn.

Using mauve and tension 4 and one dot, cast on and knit 8 rows. Knit one row at tension 8 then 3 rows at tension 4 and one dot. Pick up the lower loops of the row knitted at tension 8 (these are quite obvious if you look closely at your work).

Change to beige yarn and knit 8 rows at tension 4 and two dots. Change back to mauve, knit one row at tension 8 and 3 rows at tension 4 and one dot. Pick up along the loose row to make another pin tucked hem, then pick up the cast on row and bring all needles out to holding position. Close the latches to ease the knitting of the next row. With main yarn and tension 5, continue in stocking stitch.

Thread a fine knitting needle through each pin tuck in turn whilst steaming, to make them stand neatly up from the fabric.

SAMPLE 3
Fair Isle and latched edging

This edging is an excellent way to start a tuck stitch fabric because the edging is narrower than the tuck and therefore provides plenty of natural gathering (such as that generally required of a welt).

Using main yarn (beige) cast on and knit 8 rows at tension 4 and one dot. Bring needles to holding position and slide the work forward slightly. Use mauve yarn to make a latch tool cast on over the same needles behind the work (between the work and the sinker posts). Break off mauve and pull the end through the last loop on the latch tool.

Using tension 5, knit 2 rows stocking stitch followed by 4 rows Fair Isle (this can be varied to suit your pattern, provided that you adjust the number of rows in the backing to match). Use jade yarn for the contrast colour in the Fair Isle pattern and finish with 2 more rows plain in beige.

Pick up the cast on row to form a hem and turn the work with a garter bar or waste knitting. Be careful to pick up the stitches and the cast on loops if you use waste knitting.

Bring the needles to holding position and make a latch tool cast on in mauve, this time in front of the work (closest to you). Insert a tuck stitch punchcard or programme machine for tuck, close the latches and knit the rest of the sample in tuck pattern.

Steam with the hem stretcher bar, or a

Continued on page 28

metal ruler, through the hem line. Allow a few bursts of steam to penetrate the fabric and then use your finger to even up the latched chain along the bottom.

SAMPLE 4
Contrast turret edging

Using beige yarn, cast on over alternate needles and knit one row at tension 3. Bring the empty alternate needles to working position, change to tension 4 and knit 6 rows. Bring every alternate needle to holding position, set carriage to hold and with jade yarn, knit 4 rows. Change back to beige yarn and knit 9 rows. Pick up the cast on edge on to alternate needles to form a hem and continue in stocking stitch at tension 5 for the rest of the sample.

Thread a knitting needle through the jade part only of the lower edge and pull gently whilst steaming. This will make the contrast turrets stand out.

SAMPLE 5
Knitted shell edging

Using beige yarn, cast on over alternate needles and knit one row at tension 3. Bring the empty alternate needles into working position and, at tension 4, knit 3 rows.

Bring every 7th needle to holding position, set the carriage to hold and knit 4 rows. Cancel hold and knit 2 rows, knitting every needle back into working position. Again, bring every 7th needle to holding position and knit 4 rows. Cancel hold, change to mauve yarn, knit one row at tension 4, 2 rows at tension 6 and one row at tension 4.

Repeat the four rows with every 7th needle in holding position, using beige yarn. Change to mauve and knit 2 rows over all needles. Finally, repeat the holding rows in beige once more and then knit 4 rows over every needle, still using beige.

Pick up the cast on row on to alternate needles to form a hem and continue in stocking stitch at tension 5. Lightly steam the fabric to eliminate the curled edges and then pull down the centre of each shell shape formed between the holding stitches. A pin may be placed at the centre of each shell to produce a more pronounced curve or even a point, if desired. Give a final light steam to set the curved stitches.

SAMPLE 6
Looped fringe, knitted in

Using beige yarn, cast on over alternate needles and knit one row at tension 3. Bring the empty alternate needles to working position and knit 10 rows at tension 4. Use a garter bar or waste knitting to turn the work and then bring all the needles to holding position.

Raise your ribber one notch only. Use mauve to create the fringe by loosely wrapping the yarn around the ribber sinker posts and then e-wrapping each needle in turn. Break off the yarn once you have a loop on every needle in work. Anchor the yarn ends with pegs to stop the loops unravelling and then repeat the fringing procedure using jade yarn. This time, do not break off the yarn when you reach the end of the work. Instead, use the jade yarn to manually knit through each stitch.

Once again, turn the work with the garter bar or waste knitting and, using beige yarn and tension 4, knit 12 rows. Turn up the hem and continue the sample in stocking stitch at tension 5. Steam with a hem stretcher or metal ruler.

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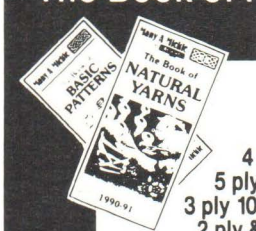

	Shades
Shetland Wool	87
British Wools	22
4 ply Fleck Tweed	13
5 ply Guernsey Wool	5
3 ply 100% British Wool	37
2 ply & 4 ply m/w Wool	56
2 ply & 4 ply Botany Wool	39
Slub Cotton plain & mixtures	35
Mohair 4 ply & Chunky	85
3 ply Sock Wool	5
Mercerised Cotton 2/10, DK	46
2, 3 & 4 ply Soft Cotton	99
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TOTAL SHADES	633

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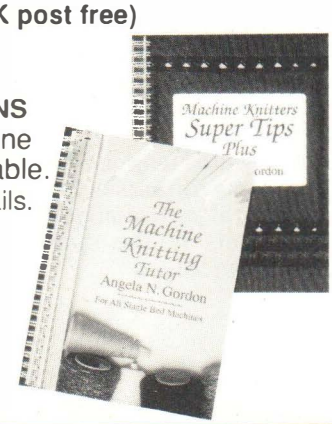


TRADE ENQUIRIES WELCOME

AFRICAN T-SHIRT

This interesting two colour Fair Isle T-shirt uses African inspiration for its effective design. Team it with your favourite leggings for a super casual look.

For standard gauge punchcard and electronic machines with ribbing attachment.

SIZES:
To fit 86-91 (96-101) cms/34-36 (38-40) inch bust.

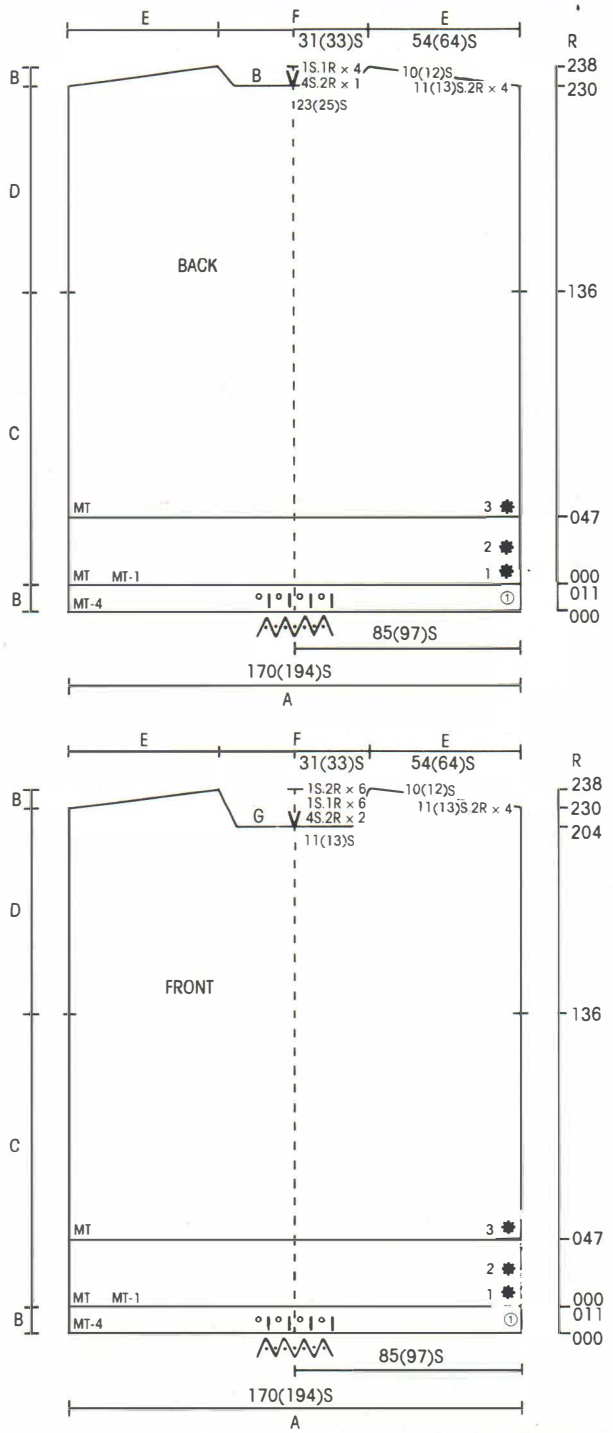
APPROXIMATE YARN TYPES AND AMOUNTS:
King Cole Cool Cotton
Col 1 (Black) — 300 (350) grms
Col 2 (Aran) — 150 (175) grms

TENSIONS:
Fair Isle pattern — 31 sts and 34 rows to 10 cms. TD at approx 9 (MT).

PATTERN NOTE:
Fair Isle patterns 1, 2 and 3 — see charts. Insert card 1 and lock on row 1. MT-1. *K 1 row col 2 and 2 rows col 1. MT. Release card. Set carriage for Fair Isle. Col 1 in feeder 1, col 2 in feeder 2, K 5 rows. Remove card*. Insert card 2 and lock on Row 1. Set carriage for st st. MT-1. K 2 rows col 1, 1 row col 2 and 2 rows col 1. MT. Release card. Set carriage for Fair Isle. Col 1 in feeder 1, col 2 in feeder 2, K 21 rows. Remove card. Insert card 1 and lock on row 1. Set carriage for st st. MT-1. K 2 rows col 1. Repeat from *to*. Set carriage for st st. MT-1. K 2 rows col 1 and 1 row col 2. Insert card 3 and lock on row 1. Take carriage across twice without knitting. MT. Release card. Set carriage for Fair Isle. Col 1 in feeder 1, col 2 in feeder 2 throughout.

If you have any problems locating King Cole Cool Cotton, please write to the address below for local stockist and mail order information. Please quote this issue of Modern Machine Knitting.

King Cole Ltd,
Merrie Mills,
Old Soul's Way,
Bingley.
West Yorkshire BD16 2AX.

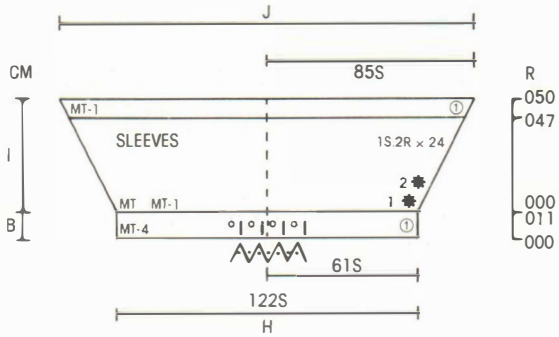


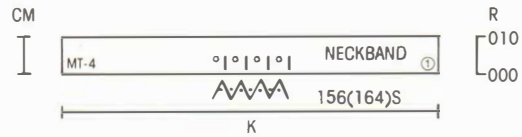
BACK:
With ribber in position and carriage at left, set machine for 1 x 1 rib. Push 85 (97) Ns at left and right of centre O to WP. 170 (194) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 x 1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 x 1 rib knitting. RC 000. MT-4, K 11 rows. Transfer sts to knitter. RC 000. Cont in Fair Isle pattern, K to row 136. Place marker at each end. Knit to row 230.
Shape Back Neck and Shoulders
Note position in patt. Shape as shown on diagram to row 238. Cast off rem 10(12) sts. Keeping patt correct, K left part as for right part.

FRONT:
Knit as for Back to Row 204.
Shape Neck
Note position in patt. Shape as shown on diagram. 54 (64) sts. K to row 230.
Shape Shoulder
Shape as shown on diagram to row 238. Cast off rem 10 (12) sts. Keeping patt correct, K left part as for right part.

Continued on page 30

Pattern 1 *continued*





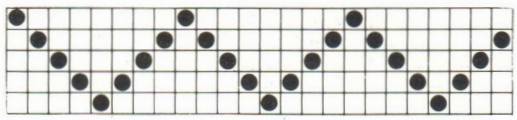
SLEEVES:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 61 Ns at left and right of centre O to WP. 122 Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-4, K 11 rows. Transfer sts to knitter. RC 000. Cont in Fair Isle pattern and shape as shown on diagram to row 47. MT-1, K 3 rows col 1. 170 sts. RC 50. Mark centre with WY. Cast off.

NECKBAND:
Join right shoulder seam. With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 1, cast on 156 (164) sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-4, K 10 rows. Transfer sts to knitter. With wrong side facing, pick up sts around neck edge and place on to Ns. MT+1, K 2 rows. Cast off.

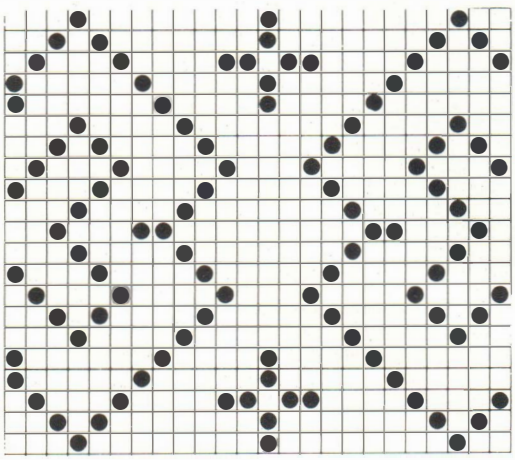
TO MAKE UP:
Pin out to size and steam carefully. Join left shoulder and neckband seam. Set in sleeves between markers stretching slightly. Join side and sleeve seams. Give final light steam.

KEY		
A	=	54.5(62.5) cm
B	=	2.5 cm
C	=	40 cm
D	=	27.5 cm
E	=	17.25(20.75) cm
F	=	20(21)cm
G	=	10 cm
H	=	39 cm
I	=	14.5 cm
J	=	54.5 cm
K	=	50(53) cm

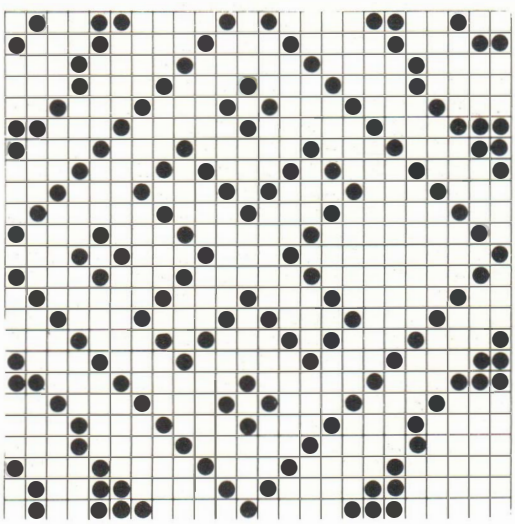
CARD 1



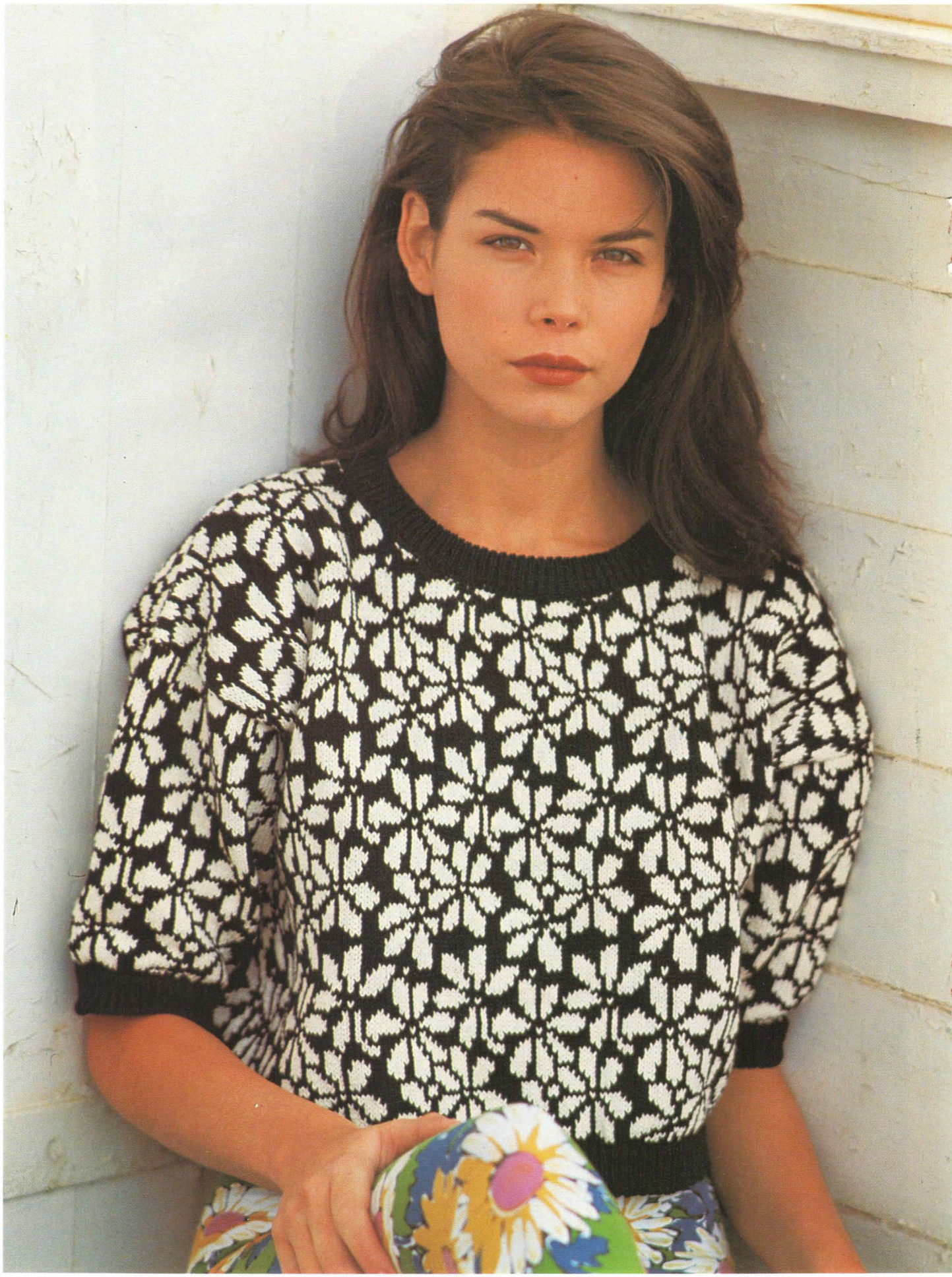
CARD 2



CARD 3



Pattern 2

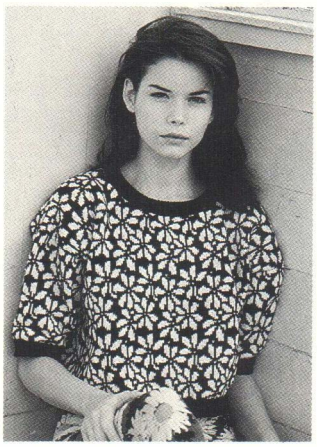


Pattern 3

Pattern 2

DAISY SWEATER

This strong daisy design is knitted in two colour Fair Isle using a smooth 4ply cotton for a cool, crisp feel. Wear this boxy shape with leggings or your plain summer separates for a great look.



For standard gauge punchcard and electronic machines with ribbing attachment.

SIZES:
To fit 86-91 (96-101, 106-112) cms/ 34-36 (38-40, 42-44) inch bust.

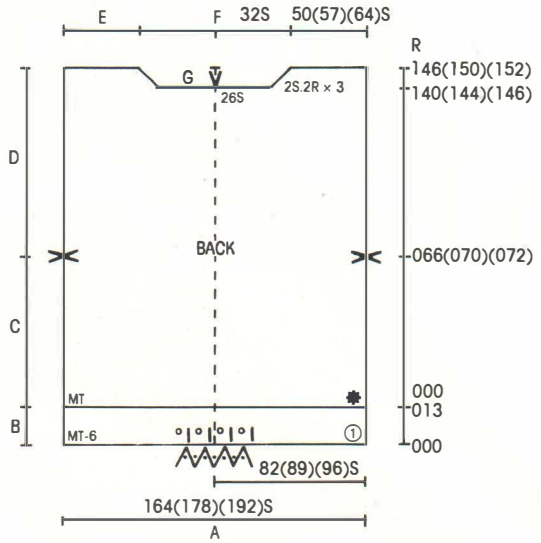
APPROXIMATE YARN TYPES AND AMOUNTS:
Brier Hey 4ply Plain Cotton
Col 1 (Black) — 350 (400, 450) grms
Col 2 (Ecru) — 250 (300, 350) grms
Col 3 (Yellow) — Small amount if required.

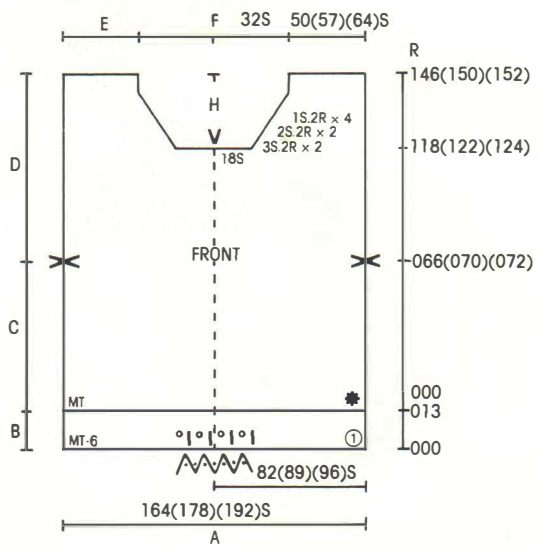
TENSION:
Fair Isle — 29 sts and 31 rows to 10 cms. TD at approx. 9 (MT).
1 × 1 rib — 43 rows to 10 cms. TDs at approx. MT-6.

PATTERN NOTE:
Fair Isle — see chart.
Col 1 in feeder 1, Col 2 in feeder 2.

If you have any problems locating Brier Hey 4ply Plain Cotton, please write to the address below for mail order information. Please quote this issue of Modern Machine Knitting.

Brier Hey/Many a Mickle,
Brier Hey,
Mytholmroyd,
Hebden Bridge,
West Yorkshire HX7 5PF.

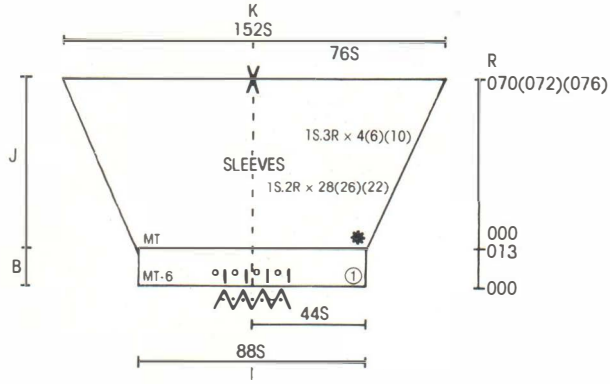


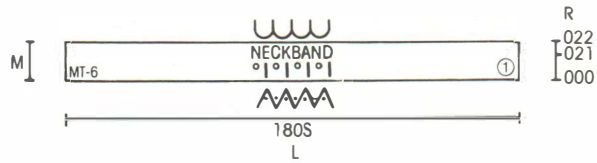


BACK:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 82 (89, 96) Ns at left and right of centre O to WP. 164 (178, 192) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-6, K 13 rows. Transfer sts to knitter. RC 000. MT. Cont in Fair Isle and K to row 66 (70, 72). Place markers at each end. K to row 140 (144, 146).
Shape Back Neck
Note position in patt. Shape as shown on diagram to row 146 (150, 152). Cast off rem 50 (57, 64) sts. Keeping patt correct, K left part as for right part.

FRONT:
K as for Back to row 118 (122, 124).
Shape Neck
Note position in patt. Shape as shown on diagram to row 146 (150, 152). Cast off rem 50 (57, 64) sts. Keeping patt correct, K left part as for right part.

SLEEVES:
With ribber in position and carriage at left, set the machine for 1 × 1 rib. Push 44 Ns at left and right of centre O to WP. 88 Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-6, K 13 rows. Transfer sts to knitter. RC 000. MT. Cont in Fair Isle patt and shape as shown on diagram. 152 sts. K to row 70 (72, 76). Mark centre with WY. Cast off.





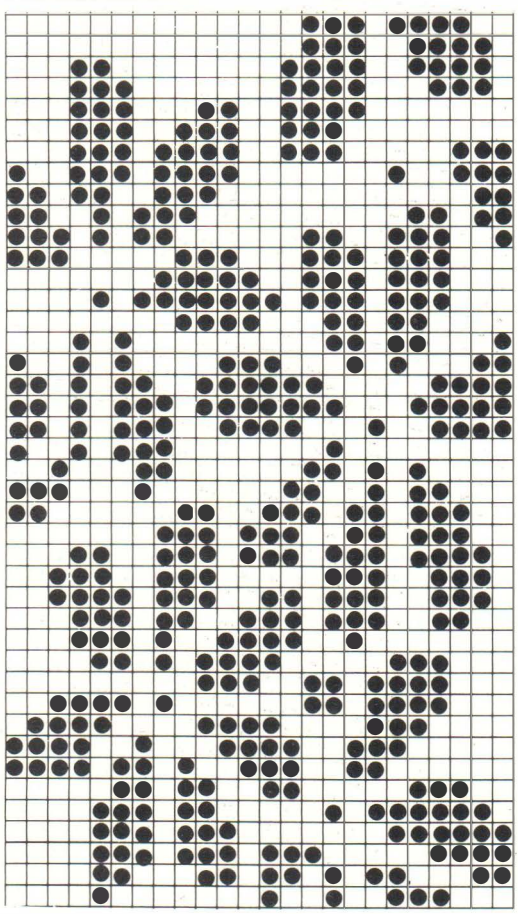
NECKBAND:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 1, cast on 180 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-6, K 21 rows. Transfer sts to knitter. K 1 row MT. Cast off with WY.

TO MAKE UP:
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves between markers. Join side and sleeve seams. Backstich neckband into position and join centre back seam. Fold in half and catch down on the inside. Using col 3, Swiss darn centre st of each daisy, if required. Give final light steam.

KEY

A	=	56(61)(66) cm
B	=	3 cm
C	=	21(22)(23) cm
D	=	26 cm
E	=	17(19.5)(22) cm
F	=	22 cm
G	=	2 cm
H	=	9 cm
I	=	30 cm
J	=	22(23)(24) cm
K	=	52 cm
L	=	62 cm
M	=	5 cm

Punchcard Chart



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Pattern 3

APPLIQUED TROPICAL LILIES SWEATER

A combination of cleverly combined ideas are used to make this a stunning design. Simple lace for the main fabric is enhanced by vibrant appliquéd lilies (by The Finishing Touch) together with knitted leaves for a wildly tropical feel.

For standard gauge punchcard and electronic machines with ribbing attachment.

SIZES:
To fit 81-86 (91-96) cms/32-34 (36-38) inch bust.

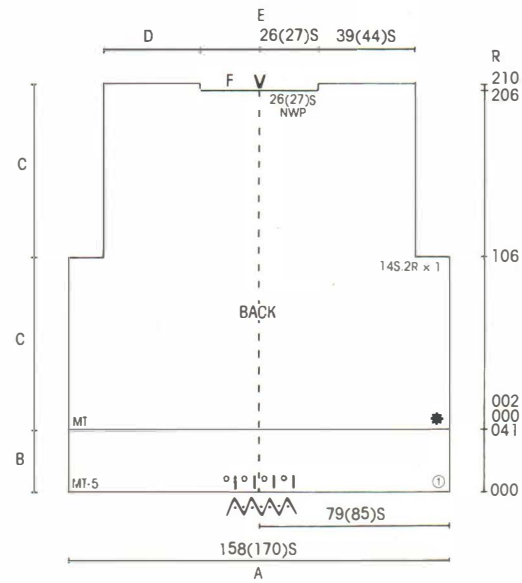
APPROXIMATE YARN TYPES AND AMOUNTS:
Yeoman Panama 4-ply
Col 1 (Cream) — 1 × 400 grm cone
Col 2 (Black) — 20 grms
2 tangerine and black satin tropical lily motifs available from: The Finishing Touch, Dept. RD/MMK, PO Box 59, Staines, Middlesex TW18 4JP.
A special offer is available exclusively to MMK readers for the 2 tropical lilies, at a cost of £4.95 each or £9.95 for two instead of the usual price of £5.50 each, in either case add 75p p&p. Offer closes 30th September 1991.

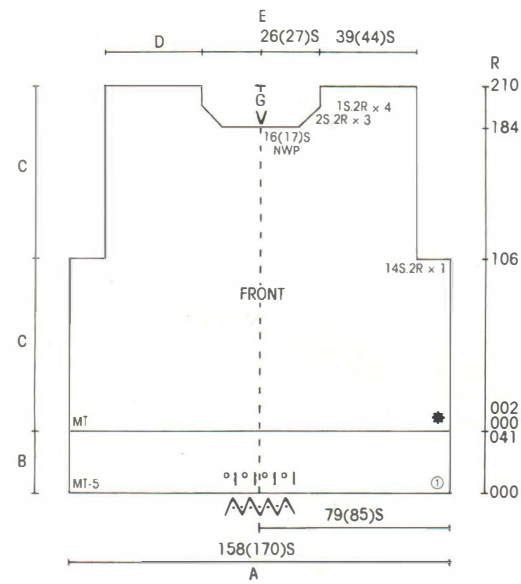
TENSION:
Lace patt — 31 sts and 42 rows to 10 cms. TD at approx. 8 (MT).

PATTERN NOTE:
Lace patt — see chart.

If you have any problems locating Yeoman Panama 4ply, please write to the address below for local stockist and mail order information. Please quote this issue of Modern Machine Knitting.

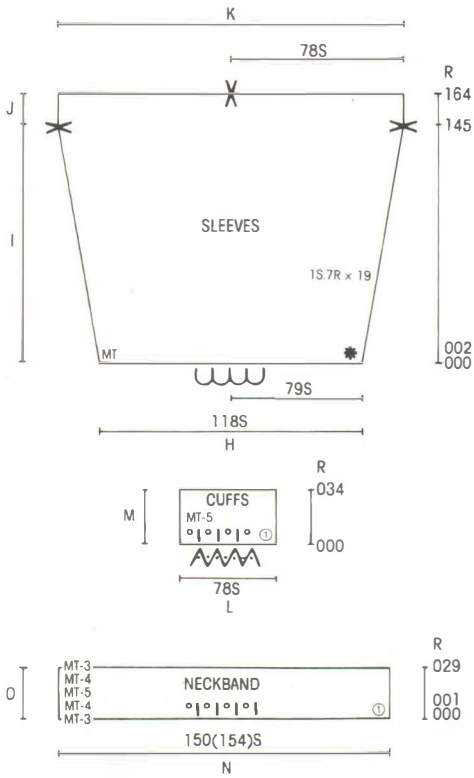
Yeoman Yarns,
31 High Street,
Kibworth,
Leicester LE8 0HS.



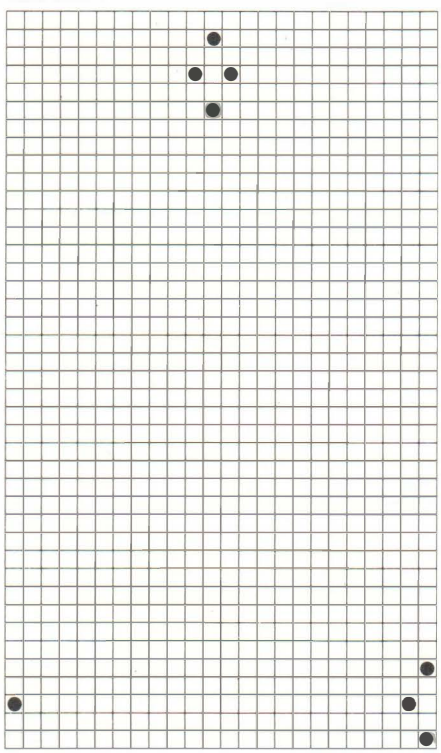


BACK:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 79 (85) Ns at left and right of centre O to WP. 158 (170) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-5, K 41 rows. Transfer sts to knitter. RC 000. Using MT, K 2 rows. Cont in lace patt. K to row 106.
Shape Armholes
Shape as shown on diagram. 130 (142) sts. K to row 206.
Shape Back Neck
Note position in patt. Using nylon cord, K sts at left of centre O and 26 (27) sts at right of centre O by hand taking Ns down to NWP. K to row 210. Cast off rem 39 (44) sts. Unravel nylon cord over 52 (54) Ns at right bringing Ns back to WP. Using WY, K a few rows and release from machine. Unravel nylon cord over rem Ns bringing Ns back to WP. Keeping patt correct, K left part as for right part.

FRONT:
Knit as for Back to row 184.
Shape Neck
Note position in patt. Using nylon cord, K sts at left of centre O and 16 (17) sts at right of centre O by hand taking Ns down to NWP. Shape as shown on diagram to row 210. Cast off rem 39 (44) sts. Unravel nylon cord over 32 (34) Ns at right bringing Ns back to WP. Using WY, K a few rows and release from machine. Unravel nylon cord over rem Ns bringing Ns back to WP. Keeping patt correct, K left part as for right part.



Lace Chart



SLEEVES:
Push 59 Ns at left and right of centre O to WP. 118 Ns. Using MT and waste yarn, cast on and K a few rows ending with carriage at right. RC 000. Using col 1, K 2 rows. Cont in lace patt and shape as shown on diagram. 156 sts. K to row 145. Place marker at each end. K to row 164. Mark centre with WY. Cast off.

CUFFS:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 1, cast on 78 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. Using MT-5, K 34 rows. Transfer sts to knitter. With wrong side of sleeve facing, pick up sts from below WY and place on to Ns gathering evenly. Using MT, K 1 row. Cast off.

NECKBAND:
Join right shoulder seam. Push 150 (154) Ns to WP. With wrong side facing, pick up sts around neck edge and place on to Ns. RC 000. Using MT and col 1, K 1 row. Transfer sts to ribber for 1 × 1 rib. Using MT-3, K 6 rows. Using MT-4, K 6 rows. Using MT-5, K 4 rows. Using MT-4, K 6 rows. Using MT-3, K 6 rows. Transfer sts to knitter. Cast off sts taking yarn behind gate pegs.

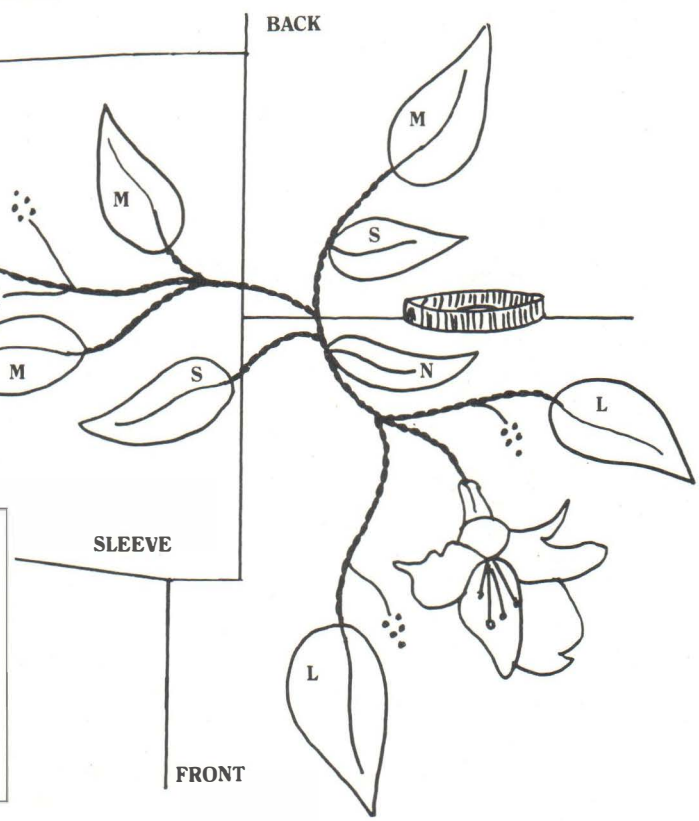
LARGE LEAVES (MAKE 2):
Using col 2, cast on 12 sts by hand. RC 000. Using MT, inc 1 st at each end of every foll alt row until there are 28 sts. Dec 1 st at each end of every foll 3rd row until 14 sts rem, then on every foll alt row until 2 sts rem. K 1 row. RC shows 50. Cast off.

MEDIUM LEAVES (MAKE 4):
Using col 2, cast on 10 sts by hand. RC 000. Using MT, inc 1 st at each end of every foll alt row until there are 24 sts. Dec 1 st at each end of every foll 3rd row until 12 sts rem, then on every foll alt row until 2 sts. rem. RC shows 42. Cast off.

SMALL LEAVES (MAKE 2):
Using col 2, cast on 8 sts by hand. RC 000. Using MT, inc 1 st at each end of every foll alt row until there are 22 sts. Dec 1 st at each end of every foll 3rd row until 12 sts rem, then on every foll alt row until 2 sts rem. K 1 row. RC shows 40. Cast off.

TO MAKE UP:
Pin out to size and steam carefully. Join left shoulder seam. Set in sleeves, sewing rows above markers to cast off sts at armholes on back and front. Press seams. Pin leaves and tropical lilies in position on sweater. With col 2, stitch leaves in position around outside edges. Hand or machine zig-zag stitch lilies in place using black thread. Embroider stems in chain stitch using col 2. Embroider small stalks in stem stitch using col 2. Embroider 5 French knots at the ends of each small stalk using col 2. Embroider veins down the centre of each leaf in stem stitch using col 1. Carefully press on leaves and embroidery if required. Join side and sleeve seams. With wrong sides tog, join neckband seam. Fold in half to right side and backstitch in place close to cast off edge. Give final light steam.

Applique Diagram



KEY					
A	=	50.5(54.5) cm	I	=	34.5 cm
B	=	9 cm	J	=	4.5 cm
C	=	25 cm	K	=	50 cm
D	=	12.5(14) cm	L	=	14 cm (unstretched)
E	=	16.5(17.5) cm	M	=	8 cm
F	=	1 cm	N	=	48(49.5) cm
G	=	6 cm	O	=	7.5 cm
H	=	38 cm			

Pattern 4

SQUARE NECKED SUMMER TOP

Brilliant coloured fish make an unusual and effective design to decorate this super shaped, square necked top. Montana 2ply cotton is the perfect yarn for this summer knit — team it with co-ordinating separates for a total look.

For standard gauge punchcard and electronic machines with ribbing attachment.

SIZES:
To fit 81-86 (91-96) cms/32-34 (36-38) inch bust.

APPROXIMATE YARN TYPES AND AMOUNTS:
Bramwell's Montana
Col 1 (Saphire) — 305 (360) grms (use 2 ends).
Col 2 (Pampas) — 45 (60) grms (use 2 ends).
Col 3 (Fiesta) — 125 (145) grms (use 2 ends).

TENSION:
Fair Isle patt — 34 sts and 42 rows to 10 cms. TD at approx. 5 (MT).
1 × 1 rib — 50 rows to 10 cms. TDs at approx. MT-4.

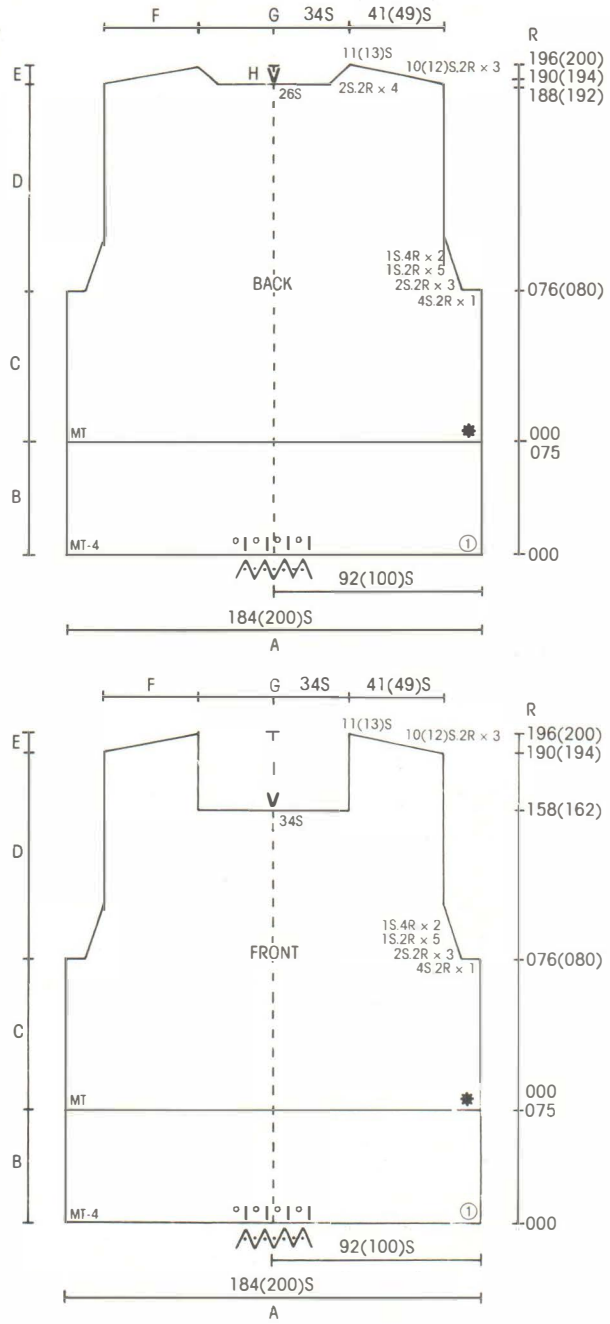
PATTERN NOTE:
Fair Isle patt — see chart.
Col 1 in feeder 1, col 2 in feeder 2, K 6 rows. *Col 1 in feeder 1 only, K 2 rows. Col 1 in feeder 1, col 3 in feeder 2, K 26 rows. Col 1 in feeder 1 only, K 2 rows. Col 1 in feeder 1, col 2 in feeder 2, K 12 rows*. Rept from *to*.

If you have any problems locating Bramwell Montana 2ply Cotton, please write to the address below for local stockist and mail order information.

F.W. Bramwell & Co,
Unit 5, Metcalf Drive,
Altham Lane,
Altham,
Accrington BB5 5TU.

KEY

A	=	54(58.5) cm
B	=	15 cm
C	=	18(19) cm
D	=	27 cm
E	=	1.5 cm
F	=	12(14.25) cm
G	=	20 cm
H	=	2 cm
I	=	9 cm
J	=	52 cm
K	=	12.5 cm
L	=	14 cm
M	=	32 cm
N	=	4 cm
O	=	44 cm
P	=	48 cm
Q	=	16 cm



BACK:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 92 (100) Ns at left and right of centre O to WP. 184 (200) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-4. K 75 rows. Transfer sts to knitter. RC 000. MT. Cont in Fair Isle patt. K to row 76 (80).
Shape Armholes
Shape as shown on diagram. 150 (166) sts. K to row 188 (192).
Shape Back Neck
Note position in patt. Shape as shown on diagram to row 190 (194).
Shape Shoulder
Shape as shown on diagram to row 196 (200). Cast off rem 11 (13) sts. Keeping patt correct, K left part as for right part.

FRONT:
Knit as for Back to row 158 (162).
Shape Neck
Note position in patt. Shape as shown on diagram. K to row 190 (194).
Shape Shoulder
Shape as shown on diagram to row 196 (200). Cast off rem 11 (13) sts. Keeping patt correct, K left part as for right part.

Continued on page 42

Pattern 4

Pattern 5

BRIGHT COLOURED FAIR ISLE TOP

Using 2ply cotton double stranded produces a fabric with a super soft feel and this bright top is no exception. Knitted in Brier Hey's 2/10s mercerised cotton, with gentle shaping for a neat fit, makes this design a useful addition to your summer wardrobe.

For standard gauge punchcard and electronic machines with ribbing attachment.

SIZES:
To fit 81-86 (91-96) cms/32-34 (36-38) inch bust.

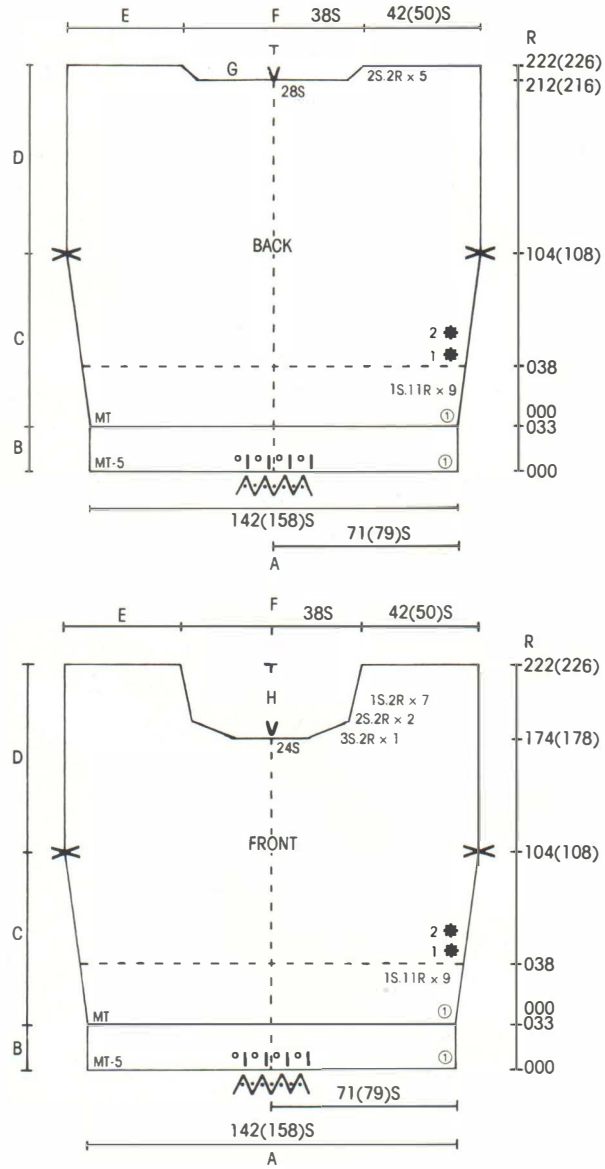
APPROXIMATE YARN TYPES AND AMOUNTS:
Brier Hey 2/10's Mercerised Cotton.
Col 1 (Navy) — 190 (240) grms (use 2 ends tog).
Col 2 (Apricot) — 60 (90) grms (use 2 ends tog).
Col 3 (Sunset) — 50 (80) grms (use 2 ends tog).
Col 4 (Magenta) — 60 (90) grms (use 2 ends tog).

TENSIONS:
Fair Isle — 32 sts and 47 rows to 10 cms. TD at approx. 6 (MT).
1 × 1 rib — 54 rows to 10 cms. TDs at approx. MT-5.

PATTERN NOTE:
Fair Isle patts 1 and 2 — see charts. Insert card 1 and lock on row 1. Take carriage across twice without knitting.
Release card.
Set carriage for Fair Isle.
Col 1 in feeder 1, col 2 in feeder 2, K 4 rows.
Col 1 in feeder 1, col 3 in feeder 2, K 19 rows.
Remove card. Insert card 2 and lock on row 1. Take carriage across twice without knitting.
Release card.
*Col 2 in feeder 1, col 4 in feeder 2, K 3 rows.
Col 3 in feeder 1, K 2 rows.
Col 4 in feeder 1, col 1 in feeder 2, K 3 rows.
Col 4 in feeder 1, col 2 in feeder 2, K 1 row.
Col 4 in feeder 1, col 1 in feeder 2, K 3 rows.
Col 3 in feeder 1, K 2 rows.
Col 2 in feeder 1, K 2 rows.
Col 1 in feeder 1, col 2 in feeder 2, K 12 rows.
Col 2 in feeder 1, K 2 rows.
Col 4 in feeder 1, K 2 rows.
Col 4 in feeder 1, col 3 in feeder 2, K 2 rows.
Col 4 in feeder 1, K 2 rows.
Col 1 in feeder 1, K 2 rows*.
Rept the last 38 rows from *to* to end.

If you have any problems locating Brier Hey 2/10s Mercerised Cotton, please write to the address below for mail order information. Please quote this issue of Modern Machine Knitting.

Brier Hey/Many a Mickle,
Brier Hey,
Mytholmroyd,
Hebden Bridge,
West Yorkshire HX7 5PF.



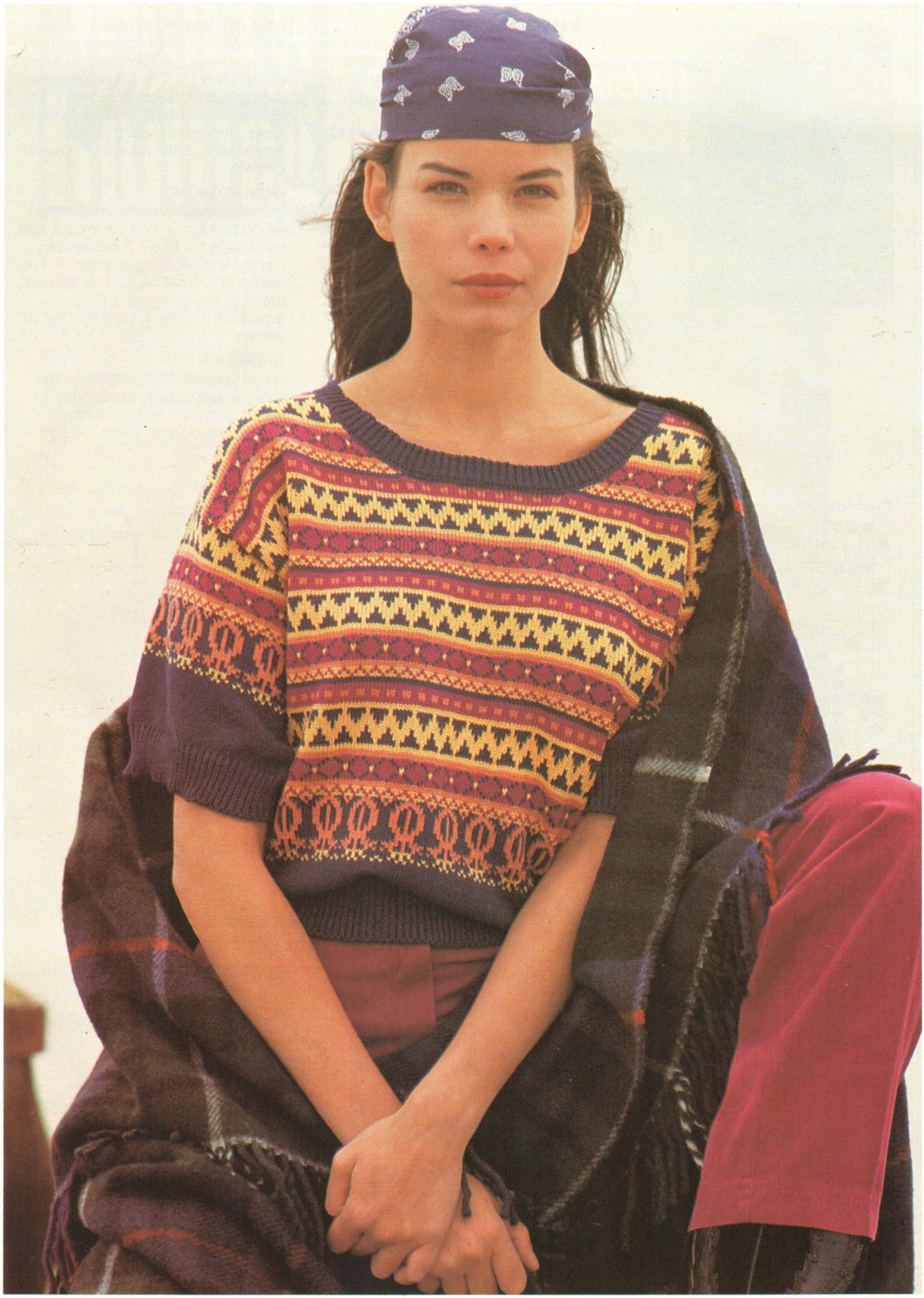
BACK:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 71 (79) Ns at left and right of centre O to WP. 142 (158) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib.

KEY		
A	=	44(49) cm
B	=	6 cm
C	=	22(23) cm
D	=	25 cm
E	=	13(15.5) cm
F	=	24 cm
G	=	2 cm
H	=	10 cm
I	=	40 cm
J	=	4 cm
K	=	17(18) cm
L	=	50 cm
M	=	38 cm
N	=	26 cm

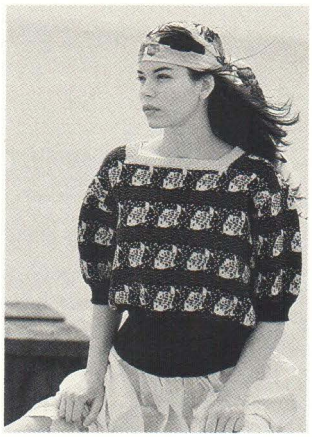
Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-5, K 33 rows. Transfer sts to knitter. RC 000. MT. Shape as shown on diagram, AT THE SAME TIME cont in st st to row 38. Cont in Fair Isle patt to row 104 (108). 160 (176) sts. Place markers at each end. K to row 212 (216).
Shape Back Neck
Note position in patt. Shape as shown on diagram to row 222 (226). Cast off rem 42 (50) sts. Keeping patt correct, K left part as for right part.

FRONT:
Knit as for Back to row 174 (178).
Shape Neck
Note position in patt. Shape as shown on diagram. K to row 222 (226). Cast off rem 42 (50) sts. Keeping patt correct, K left part as for right part.

Continued on page 43



Pattern 4 *continued*



SLEEVES:
Push 89 Ns at left and right of centre O to WP. 178 Ns. Using WY, cast on. RC 000. MT. K 1 row. RC 000. Cont in Fair Isle patt, K to row 54.
Shape Top
Shape as shown on diagram to row 112. Cast off rem 34 sts.

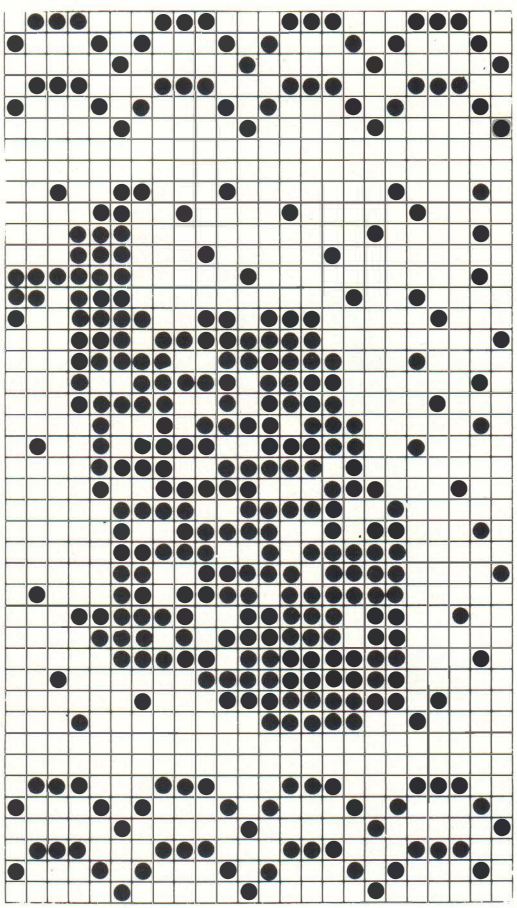
CUFFS:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 1, cast on 109 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-4, K 21 rows. Transfer sts to knitter. With wrong side of sleeve facing, pick up sts from below WY and place on to Ns gathering evenly. K 1 row MT+5. Cast off.

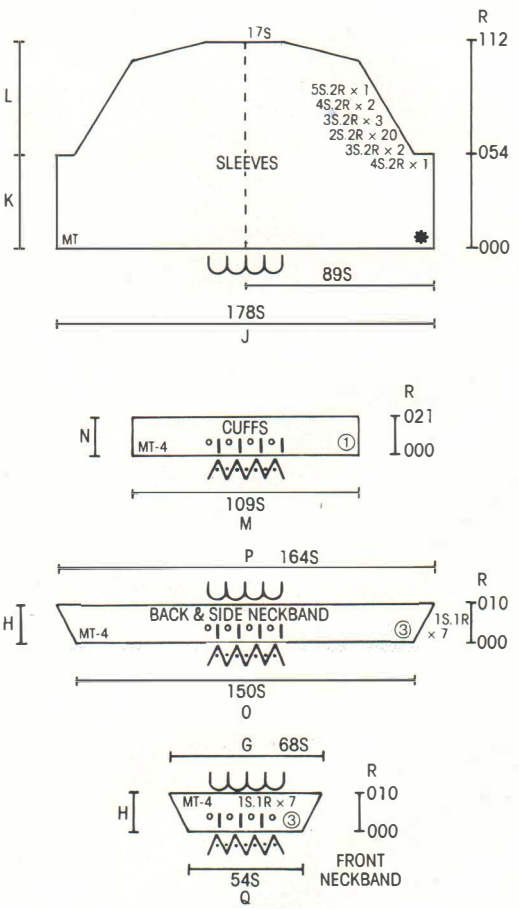
BACK AND SIDE NECKBAND:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 3, cast on 150 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-4, K 1 row. Shape as shown on diagram to row 9. 164 sts. Transfer sts to knitter. K 1 row MT. Cast off with WY.

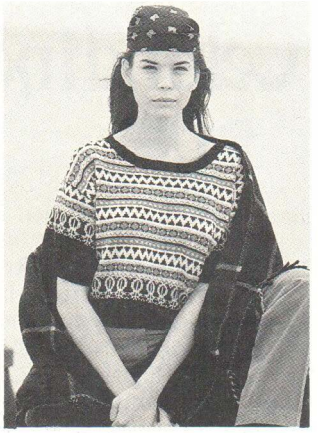
FRONT NECKBAND:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 3, cast on 54 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-4, K 1 row. Shape as shown on diagram to row 9. 68 sts. Transfer sts to knitter. K 1 row MT. Cast off with WY.

TO MAKE UP:
Pin out to size and steam carefully. Join shoulder, side and sleeve seams. Set in sleeves. Backstitch neckbands into position and join ends. Give a final light steam.

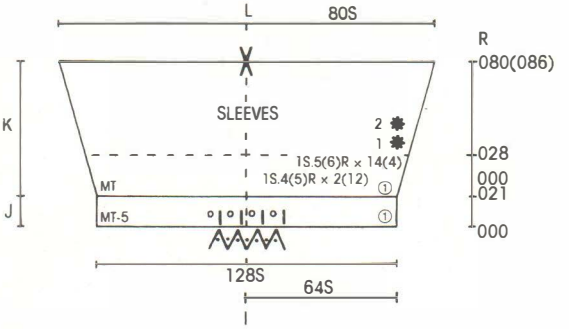
Punchcard Chart







SLEEVES:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 64 Ns at left and right of centre O to WP. 128 Ns. Push corresponding Ns on ribber to WP.



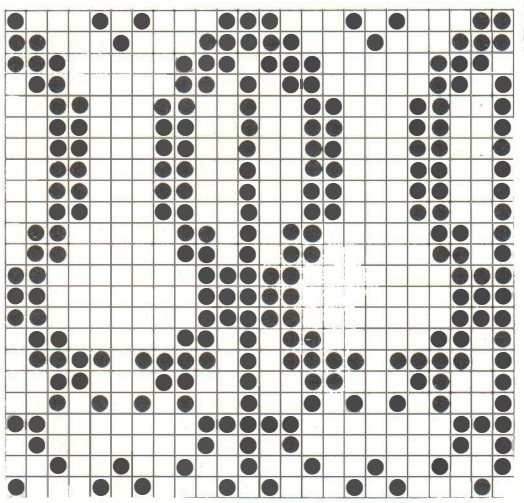
Arrange Ns for 1 × 1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib. knitting. RC 000. MT-5, K 21 rows. Transfer sts to knitter. RC 000. MT. Shape as shown on diagram, AT THE SAME TIME continue in st st to row 28. Cont in Fair Isle patt to row 80 (86). 160 sts. Mark centre with WY. Cast off.

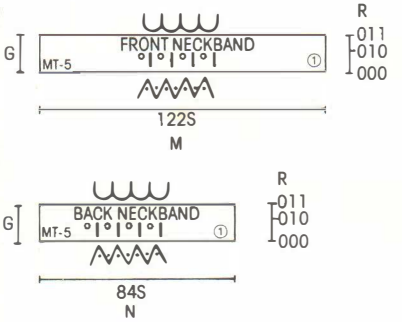
BACK NECKBAND:
With ribber in position and carriage at left, set machines for 1 × 1 rib. Using col 1, cast on 84 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-5, K 10 rows. Transfer sts to knitter. K 1 row MT. Cast off with WY.

FRONT NECKBAND:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 1, cast on 122 sts in 1 × 1 rib. K as for Back Neckband.

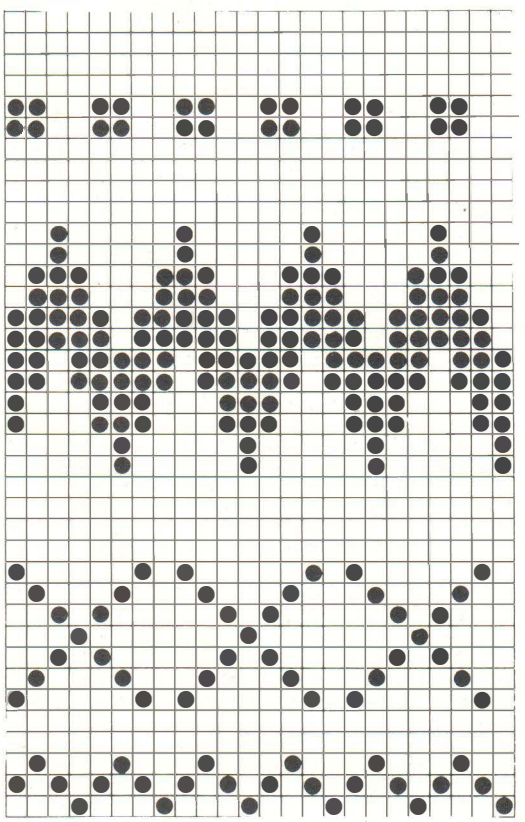
TO MAKE UP:
Pin out to size and steam carefully. Backstitch neckbands into position. Join shoulder and neckband seams. Set in sleeves between markers. Join side and sleeve seams. Give final light steam.

CARD 1





CARD 2



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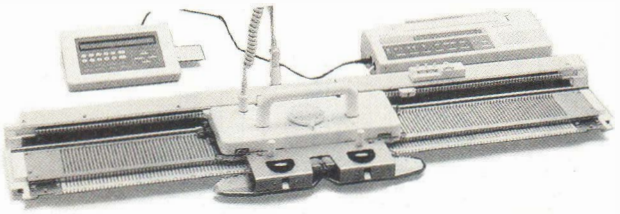

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AFRICAN LEAVES SWEATER

An unusual combination of colours give this Fair Isle design a truly tropical feel. Crochet in contrasting scarlet has been used to join each panel for a completely different finish.

For standard gouge punchcard & electronic machines with ribbing attachment.

SIZES:
To fit 86-91 (96-106) cms/34-36 (38-42) inch bust.

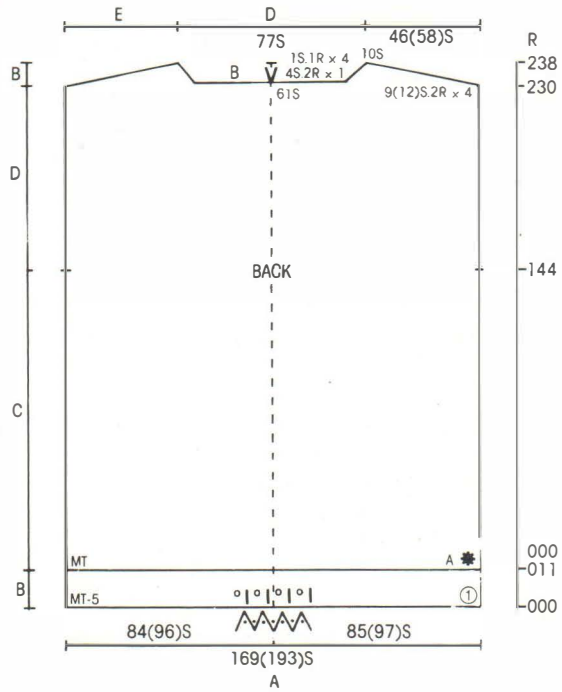
APPROXIMATE YARN TYPES AND AMOUNTS:
King Cole Cool Cotton
Col 1 (Violet — 380 (430) grms
Col 2 (Sun Yellow) — 240 (270) grms
Col 3 (Scarlet) — 10 grms (or use 1 × 50 grm ball King Cole Carolina Cotton DK).

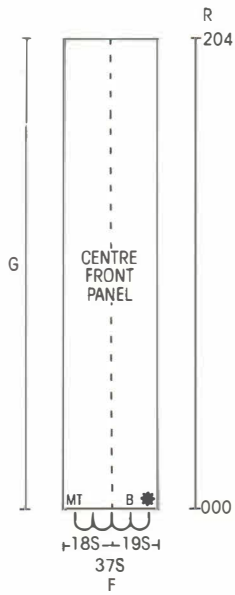
TENSION:
Fair Isle patt A — 31 sts and 34 rows to 10 cms. TD at approx. 9 (MT).

PATTERN NOTE:
Fair Isle patt A — see chart.
Col 1 in feeder 1, Col 2 in feeder 2.
Single motif Fair Isle patt B — see chart.
Col 2 in feeder 1, Col 1 in feeder 2.

If you have any problems locating King Cole Cool Cotton, please write to the address below for local stockist and mail order information. Please quote this issue of Modern Machine Knitting.

King Cole Ltd,
Merrie Mills,
Old Soul's Way,
Bingley,
West Yorkshire BD16 2AX.





BACK:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 84 (96) Ns at left and 85 (97) Ns at right of centre O to WP. 169 (193) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-5, K 11 rows. Transfer sts to knitter. RC 000. MT, cont in Fair Isle patt A and K to row 144. Place marker at each end. K to row 230.
Shape Back Neck and Shoulder
Note position in patt. Shape as shown on diagram to row 238. Cast off rem 10 sts. Keeping patt correct, K left part as for right part.

CENTRE FRONT PANEL:
Push 18 Ns at left and 19 Ns at right of centre O to WP. 37 Ns. Using WY, cast on. Set machine to knit single motif B over 12 Ns at left and 12 Ns at right of centre O. Take carriage across twice without knitting. Release card. Cont in Fair Isle patt B. RC 000. MT. K to r 204. Cast off.

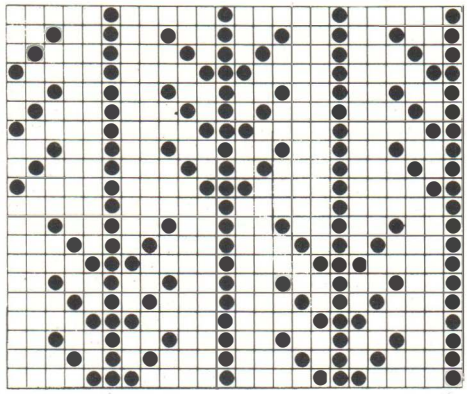
Continued on page 46

KEY

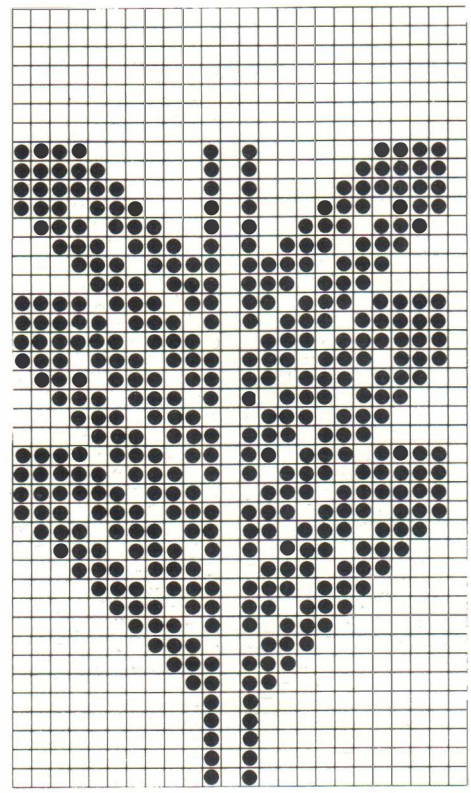
A	=	54(62) cm	I	=	60.5 cm
B	=	2.5 cm	J	=	9.5 cm
C	=	42.5 cm	K	=	6.5 cm
D	=	25 cm	L	=	27 cm
E	=	14.5(18.5) cm	M	=	41(44) cm
F	=	12 cm	N	=	50 cm
G	=	60 cm	O	=	52 cm
H	=	21(25) cm	P	=	5 cm

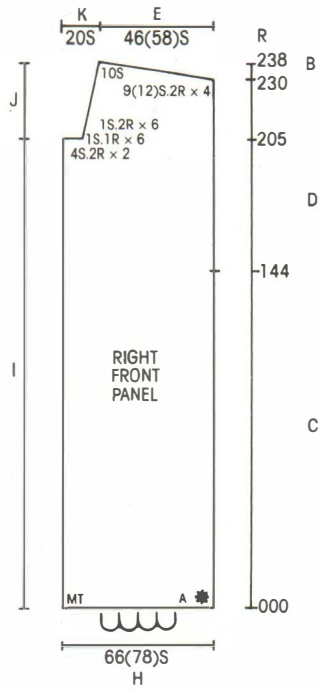
Pattern 6 *continued*

Fair Isle Pattern A



Fair Isle Pattern B





RIGHT FRONT PANEL:
Push 29 Ns at left and 37 (49) Ns at right of centre 0 to WP. 66 (78) Ns. Using WY, cast on. RC 000. MT. Cont in Fair Isle patt A, K to row 144. Place marker at right edge. K to row 205.
Shape Neck
Shape as shown on diagram. 46 (58) sts. K to row 230.
Shape Shoulder
Shape as shown on diagram to row 238. Cast off rem 10 sts.

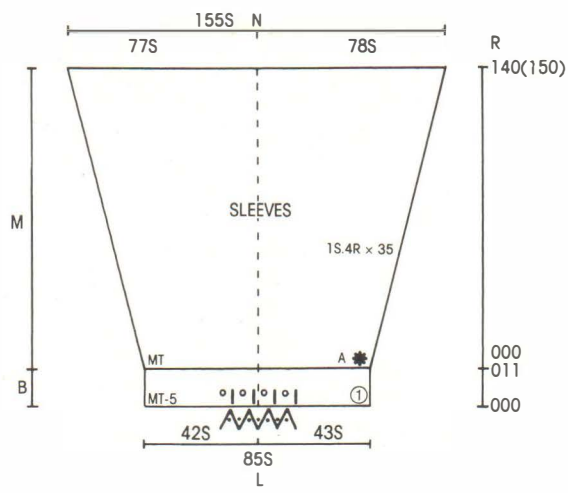
LEFT FRONT PANEL:
Push 36(48) Ns at left and 30 Ns at right of centre 0 to WP. Knit as for Right Front Panel but in reverse.

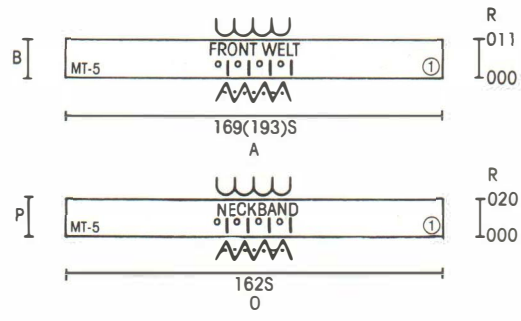
FRONT WELT:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 1, cast on 169 (193) sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-5, K 11 rows. Transfer sts to knitter. Cast off with WY.

SLEEVES:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 42 Ns at left and 43 Ns at right of centre 0 to WP. 85 Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-5, K 11 rows. Transfer sts to knitter. RC 000. MT. Cont in Fair Isle patt A and shape as shown on diagram to row 140 (150). 155 sts. Mark centre with WY. Cast off.

NECKBAND:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 1, cast on 162 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-5, K 20 rows. Transfer sts to knitter. Cast off with WY.

TO MAKE UP:
Pin out to size and steam carefully. With right side facing, using a small crochet hook and col 3, work 1 row of DC along each side of centre front panel and along front edges of right and left front panels, making 1 st every 2 rows.
With wrong sides tog, work 1 row of DC taking each st through a loop from each side (with side panels facing you). Graft front welt to lower edge of panels. Using col 1, join shoulder seams. Backstitch neckband into position and join centre back neck seam. With right side facing, using a small crochet hook and col 3, work 1 row of DC along armhole edges between markers, making 1 st every 2 rows. With right side facing, work the same number of DC sts along the top edge of each sleeve. Join the two edges in the same way as for front panels. Using col 1, join side and sleeve seams. Give final light steam.





Pattern 7

SUMMER BEACH TOP

Vibrant, hot summer colours create the perfect colour scheme for this super beach top. Smooth mercerised cotton Cannele, by Yeoman, not only glides through the machine beautifully but also adds a lovely sheen to the finished garment.

For standard gauge punchcard and electronic machines with ribbing attachment.

SIZES:
To fit 86-91 (96-101) cms/34-36 (38-40) inch bust.

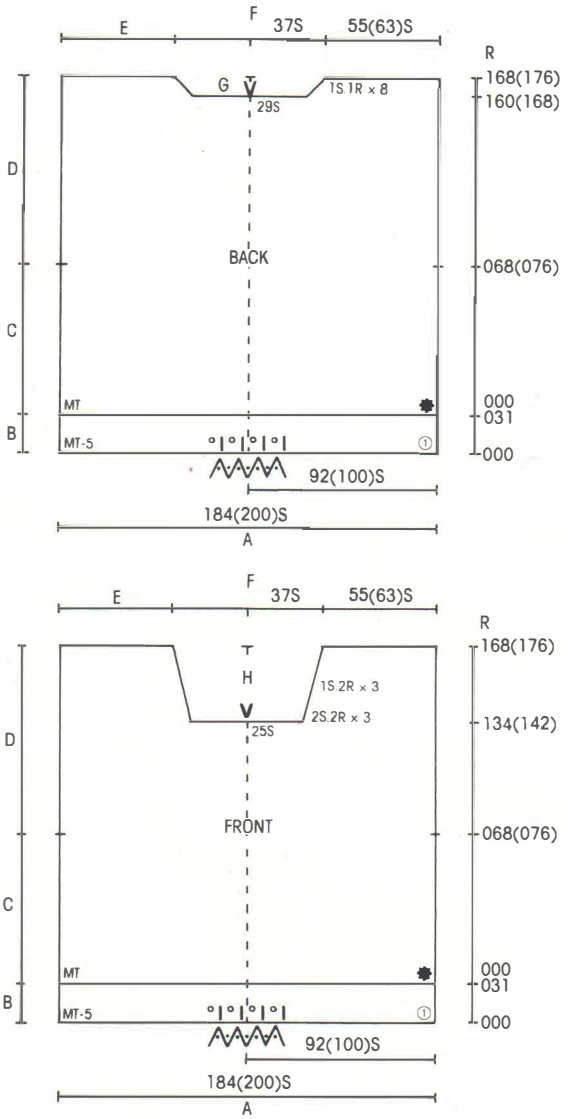
APPROXIMATE YARN TYPES AND AMOUNTS:
Yeomans Cannele Cotton
Col 1 (Raspberry) — 190 (220) grms
Col 2 (Iris) — 140 (170) grms
Col 3 (Prairie) — 85 (105) grms
Col 4 (Ochre) — 55 (75) grms

TENSIONS:
Fair Isle — 34 sts and 38 rows to 10cms. TD at approx. 6 (MT).
1 × 1 rib — 50 rows to 10cms. TDs at approx. MT-5.

PATTERN NOTE:
Fair Isle — see chart.
*Col 2 in feeder 1, K 4 rows.
Col 2 in feeder 1, col 1 in feeder 2, K 3 rows.
Col 1 in feeder 1, K 1 row.
Col 1 in feeder 1, col 3 in feeder 2, K 5 rows.
Col 4 in feeder 1, col 2 in feeder 2, K 2 rows.
Col 1 in feeder 1, col 3 in feeder 2, K 5 rows.
Col 1 in feeder 1, K 1 row.
Col 1 in feeder 1, col 2 in feeder 2, K 3 rows.
Col 2 in feeder 1, K 4 rows.
Col 3 in feeder 1, K 2 rows.
Col 4 in feeder 1, col 2 in feeder 2, K 3 rows.
Col 4 in feeder 1, col 1 in feeder 2, K 3 rows.
Col 3 in feeder 1, K 2 rows*.
Repeat from *to* throughout.

If you have any problems locating Yeoman Cannele Cotton, please write to the address below for local stockist and mail order information. Please quote this issue of Modern Machine Knitting.

Yeoman Yarns,
31 High Street,
Kibworth,
Leicester LE8 0HS.



BACK:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 92 (100) Ns at left and right of centre O to WP. 184 (200) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cost on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-5, K 31 rows. Transfer sts to knitter. RC 000. MT. Cont in Fair Isle pott. K 68 (76) rows. Place marker at each end. K to row 160 (168).
Shope Back Neck
Note position in pott. Shope as shown on diogrom to row 168 (176). Cost off rem 55 (63) sts. Keeping pott correct, K left part as for right part.

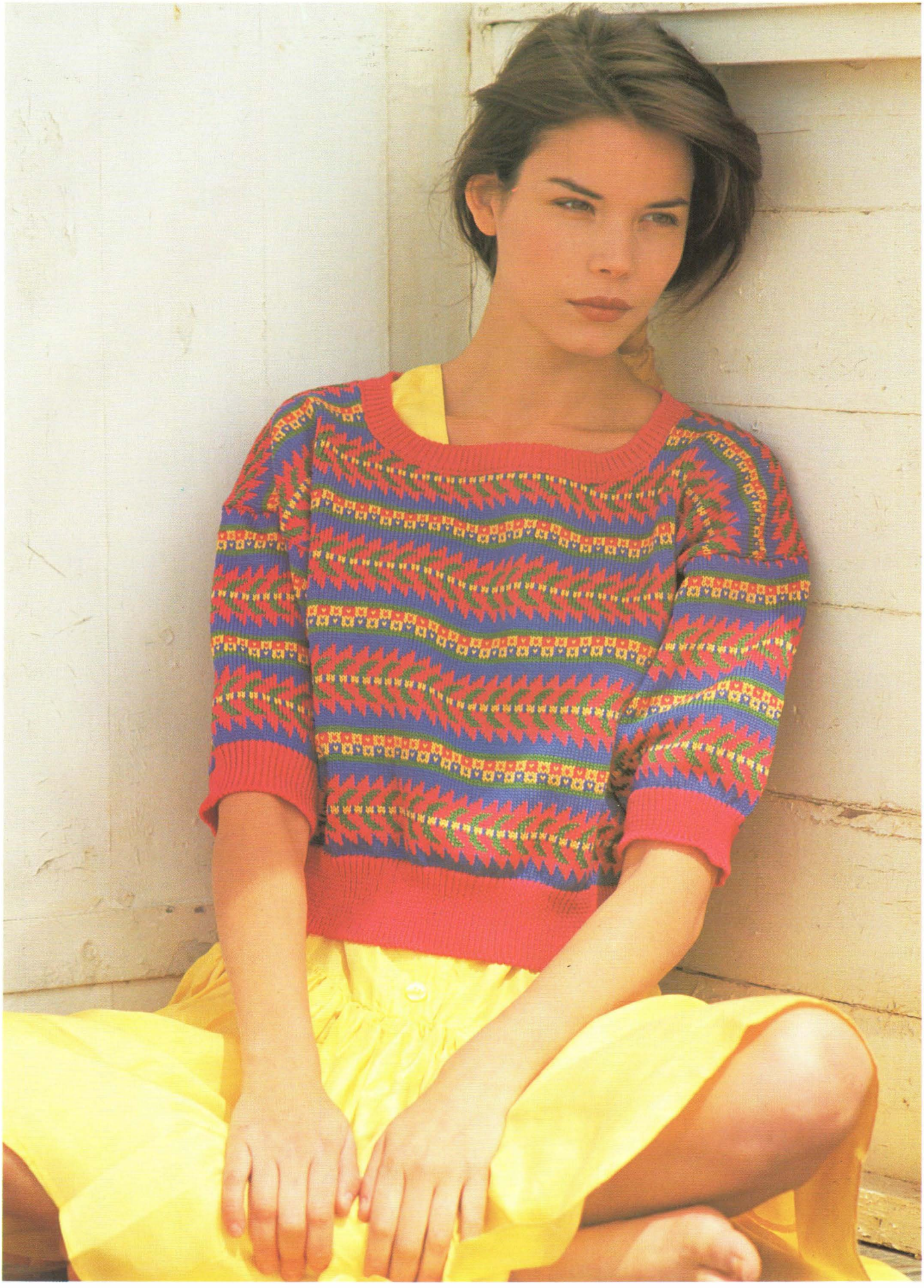
FRONT:
Knit as for Back to row 134 (142).
Shope Neck
Note position in pott. Shope as shown on diagram to row 168 (176). Cost off rem 55 (63) sts. Keeping pott correct, K left port as for right port.

Continued on page 52

KEY

A	=	54(58.5) cm	H	=	9 cm
B	=	6 cm	I	=	32 cm
C	=	18(20) cm	J	=	4 cm
D	=	26 cm	K	=	22(23) cm
E	=	16(18.25) cm	L	=	52 cm
F	=	22 cm	M	=	36 cm
G	=	2 cm			

Pattern 7



Pattern 8

LACE PANELLED TOP

Use your single action lace carriage to produce the lace panels on this neat, square necked top or achieve the same effect by hand transferring the lace stitches.

Automatic Version
For standard gauge punchcard and electronic machines with lace carriage and ribbing attachment.
Manual Version
For standard gauge machines with ribbing attachment.

SIZES:
To fit 81 (86, 91, 96) cms/32 (34, 36, 38) inch bust.

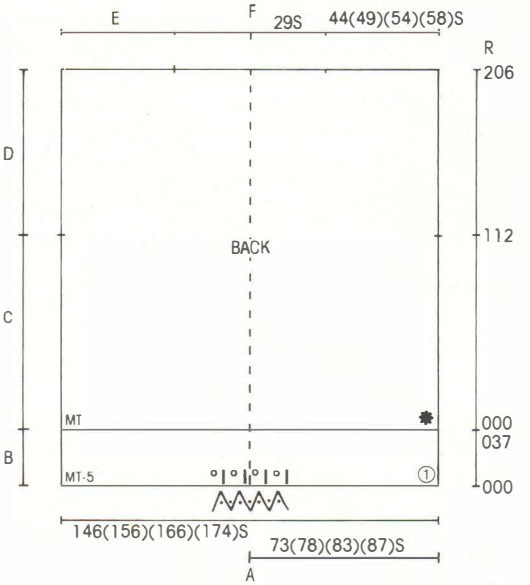
APPROXIMATE YARN TYPES AND AMOUNTS:
Tamm Diamante
Col 1 (Mediterranean Blue) — 1 × 450 grm cone

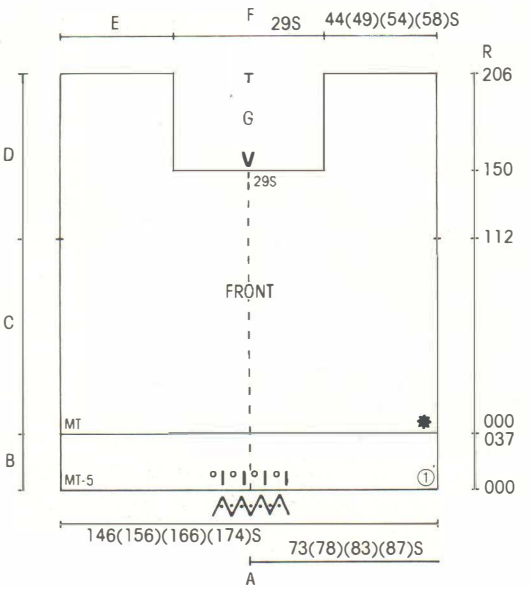
TENSION:
Pattern — 31 sts and 43 rows to 10 cms.
TD at approx. 8 (MT)

PATTERN NOTE:
Machines with lace carriage — see chart A
Machines without lace carriage — see chart B.

If you have any problems locating Tamm Diamante, please write to the address below for local stockist and mail order information. Please quote this issue of Modern Machine Knitting.

Tamm Yarns,
The House of Corbiere,
Weston Road,
Weston-upon-Trent,
South Derbyshire DE7 2BH.





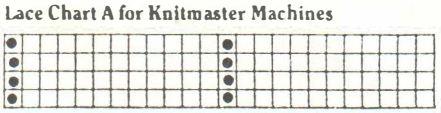
BACK:
With ribber in position and carriage at left, set machine for 1×1 rib. Push 73 (78, 83, 87) Ns at left and right of centre 0 to WP. 146 (156, 166, 174) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1×1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. RC 000. MT-5, K 37 rows. Transfer sts to knitter. RC 000. MT. Cont in lace patt, K to row 112. Place marker at each end. K to row 206. Mark the 29th stitch at left and right of centre 0 with WY. Cast off.

FRONT:
Knit as for Back to row 150.
Shape Neck
Note position in patt. Shape as shown on diagram. K to row 206. Cast off rem 44 (49, 54, 58) sts. Keeping patt correct, K left part as for right part.

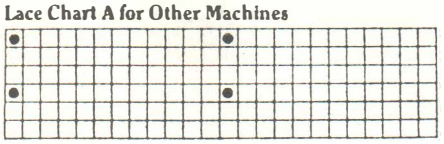
Continued on page 53

KEY		
A	=	47(50)(53)(56) cm
B	=	7.5 cm
C	=	26 cm
D	=	22 cm
E	=	14(15.5)(17)(18.5) cm
F	=	19 cm
G	=	13 cm
H	=	3 cm
I	=	44 cm
J	=	2 cm

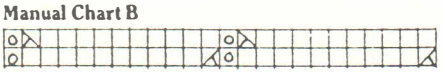
Lace Chart A for Knitmaster Machines



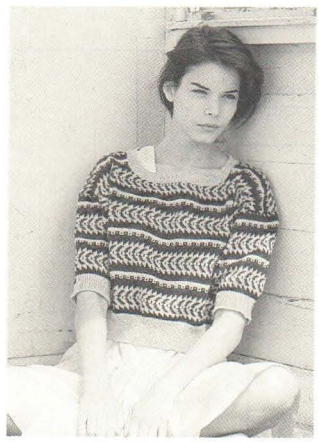
Lace Chart A for Other Machines



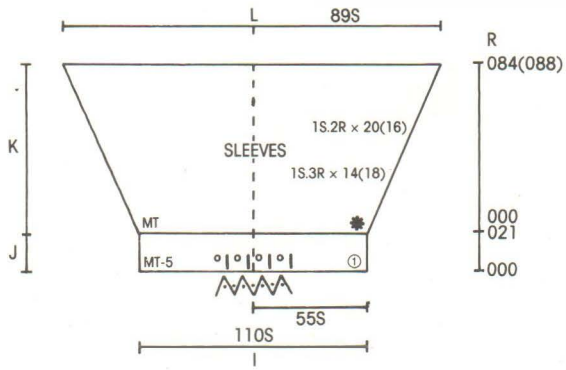
Manual Chart B



⋀○ = transfer st to the left, leave empty N in WP.
○⋀ = transfer st to the right, leave empty N in WP.



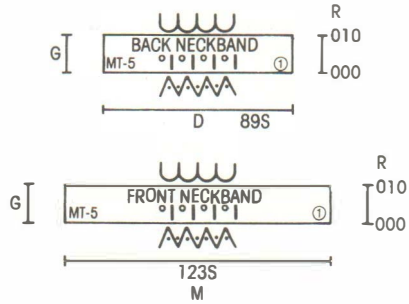
SLEEVES:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 55 Ns at left and right of centre O to WP. 110 Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-5, K 21 rows. Transfer sts to knitter. RC 000. MT. Cont in Fair Isle patt. Shape as shown on diagram to row 84 (88). 178 sts. Mark centre with WY. Cast off.



BACK NECKBAND:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 1, cast on 89 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib kitting. RC 000. MT-5, K 9 rows. Transfer sts to knitter. K 1 row MT. Cast off with WY.

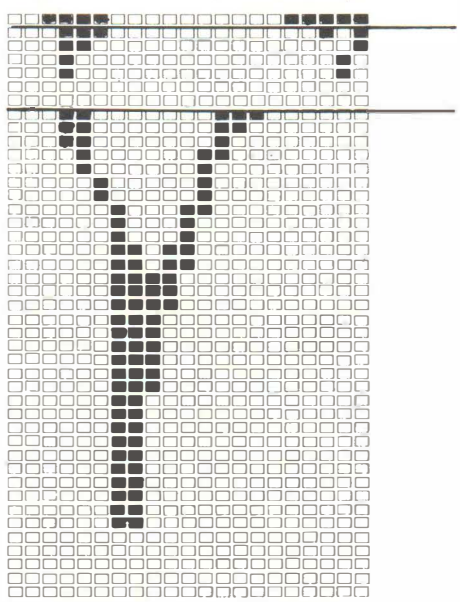
FRONT NECKBAND:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 1, cast on 123 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-5, K 9 rows. Transfer sts to knitter. K 1 row MT. Cast off with WY.

TO MAKE UP:
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves between markers. Join side and sleeve seams. Backstitch neckbands into position and join seams. Give final light steam.

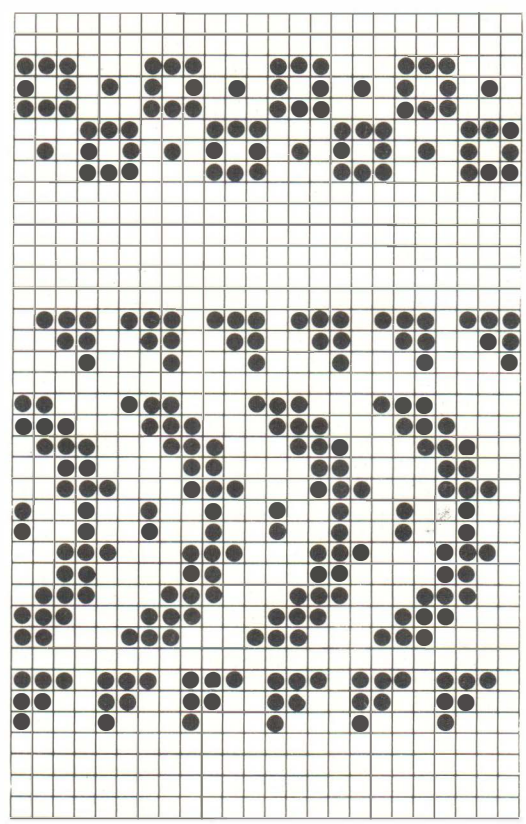


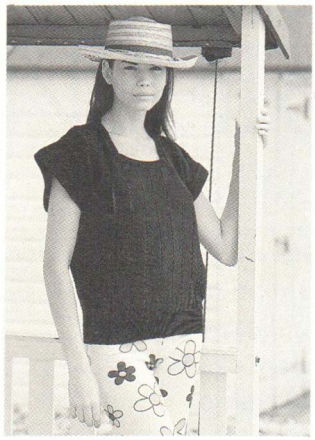
'TAIL' OF ERROR

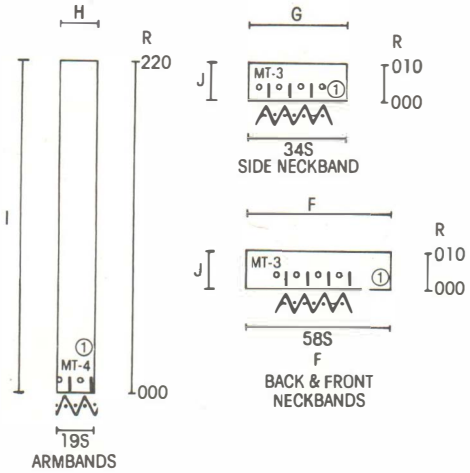
We owe an apology to one of the electronic Budgies in our June issue — part of his tail is incomplete on the right hand side of the chart. We hasten to add that Jo Newton's original chart portrayed a perfect tail, but a few feathers went astray in the reproduction. The chart below the perch should look like this:



Punchcard Chart







ARMBANDS:
With ribber in position and carriage at left, set machine for 1×1 rib. Using col 1, cast on 19 sts in 1×1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. RC 000. MT-4, K 220 rows. Transfer sts to knitter. Cast off.

SIDE NECKBAND:
With ribber in position and carriage at left, set machine for 1×1 rib. Using col 1, cast on 34 sts in 1×1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. RC 000. MT-3, K 10 rows. Transfer sts to knitter. With wrong side facing, pick up sts along side of front neck and place on to Ns in WP. K 1 row MT. Cast off.

BACK NECKBAND:
With ribber in position and carriage at left, set machine for 1×1 rib. Using col 1, cast on 58 sts in 1×1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1×1 rib knitting. RC 000. MT-3, K 10 rows. Transfer sts to knitter. With wrong side facing, pick up sts across back neck and place on to Ns in WP. K 1 row MT. Cast off.

FRONT NECKBAND:
K as for Back Neckband.

TO MAKE UP:
Pin out to size and steam carefully. Lap front neckband over side neckbands and catch down ends. Join shoulder and neckband seams. Sew armbands between markers. Join side and armband seams. Give final light steam.

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Pattern 9

BABY'S COTTON & CROCHET CARDIGAN

This delicate baby's cardigan is a soft and simple shape in Montana 2ply cotton. Hand worked lace has been enhanced by a pretty shell edging for an attractive finish.

For standard gauge machines with ribbing attachment.

SIZES:
To fit 6 (12, 18) months.

APPROXIMATE YARN TYPES AND AMOUNTS:
Bramwell's Montana
Col 1 (Aquamarine) — 140 (160, 180) grms (use 2 ends tog).
8 (9, 9) buttons

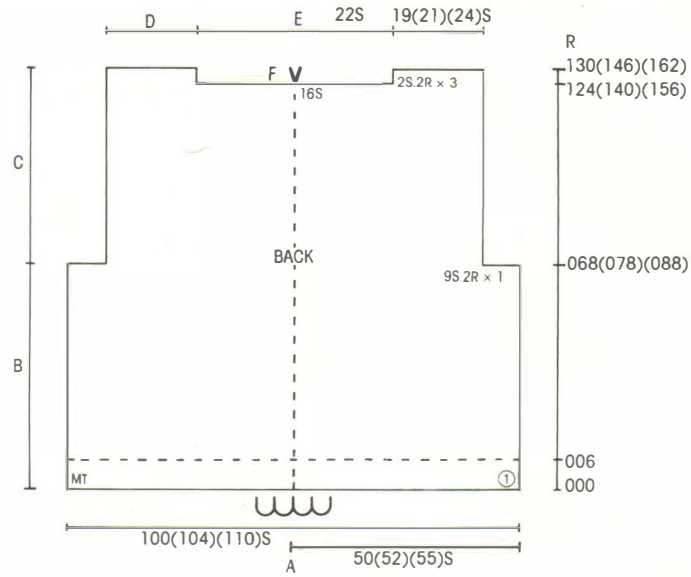
TENSION:
Stocking stitch — 34 sts and 52 rows to 10 cms. TD at approx. 5 (MT).
1 x 1 rib — 50 rows to 10 cms. TDs at approx. MT-4.

PATTERN NOTE:
Stocking stitch.
Chain stitch cast on — Cast on with WY and K several rows. Push Ns to HP. Using a latch tool and Col 1, make a loop and place loop behind latch. With yarn at left of first N, bring latch tool up between first and second Ns at left and hook yarn over first N. Pull through loop. Rep along Ns (except last N at right). Place loop from latch tool on last N. Push Ns to UWP.

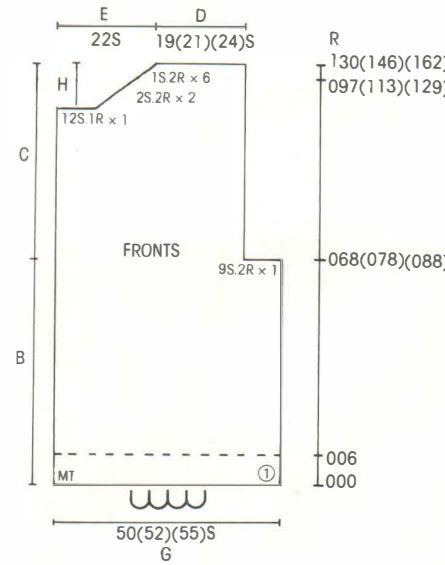
If you have any problems locating Bramwell Montana 2ply cotton, please write to the address below for local stockist and mail order information.

F.W. Bramwell & Co,
Unit 5, Metcalf Drive,
Altham Lane,
Altham,
Accrington BB5 5TU.

KEY		
A	=	29(30)(32) cm
B	=	13(15)(17) cm
C	=	12(13)(14) cm
D	=	55(56)(57) cm
E	=	13 cm
F	=	1 cm
G	=	14.5(15)(16) cm
H	=	6.5 cm
I	=	18(19)(20) cm
J	=	13(16)(18.5) cm
K	=	2.5 cm
L	=	24(26)(28) cm
M	=	38 cm
N	=	2 cm
O	=	20.5(23.5)(26.5) cm
P	=	3 cm



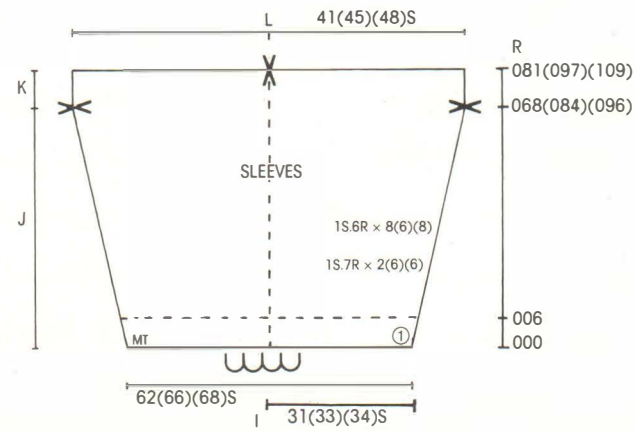
BACK:
Push 50 (52, 55) Ns at left and right of centre O to WP. 100 (104, 110) Ns. Cast on using chain stitch method. RC 000. MT. K 6 rows. Transfer every alt st to adjacent N, leaving empty Ns in WP. K to row 68 (78, 88).
Shape Armholes
Shape as shown on diagram. 82 (86, 92) sts. K to row 124 (140, 156).
Shape Back Neck
Shape as shown on diagram to row 130 (146, 162). Cast off rem 19 (21, 24) sts. K left part as for right part.



RIGHT FRONT:
Push 50 (52, 55) Ns to WP. Cast on using chain stitch method. RC 000. MT. K 6 rows. Transfer every alt st to adjacent N, leaving empty Ns in WP. K to row 68 (78, 88).
Shape Armhole
Shape as shown on diagram. 41 (43, 46) sts. K to r 97 (113, 129).
Shape Neck
Shape as shown on diagram to r 130 (146, 162). Cast off rem 19 (21, 24) sts.

LEFT FRONT:
K as for right front but in reverse.

SLEEVES:
Push 31 (33, 34) Ns at left and right of centre O to WP. 62 (66, 68) Ns. Cast on using chain stitch method. RC 000. MT. K 6 rows. Transfer every alt st to adjacent N, leaving empty Ns in WP. Shape as shown on diagram to row 68 (84, 96). 82 (90, 96) sts. Place marker at each end. K to row 81 (97, 109). Mark centre with WY. Cast off.



Continued on page 58

Pattern 9

Pattern 10

MAN'S SUMMER SWEATER WITH CABLE MOTIF

Try Sunset Orange and add a cable motif to create a seasonal mood for this plain sweater. Knitted on a standard gauge machine, the Brittany 2ply can be knitted three stranded to give this sweater fabric the look and feel of a double knitting yarn.

For standard gouge machines with ribbing attachment.

SIZES:
To fit 96-101 (106-112, 117-122) cms/ 38-40 (42-44, 46-48) inch chest.

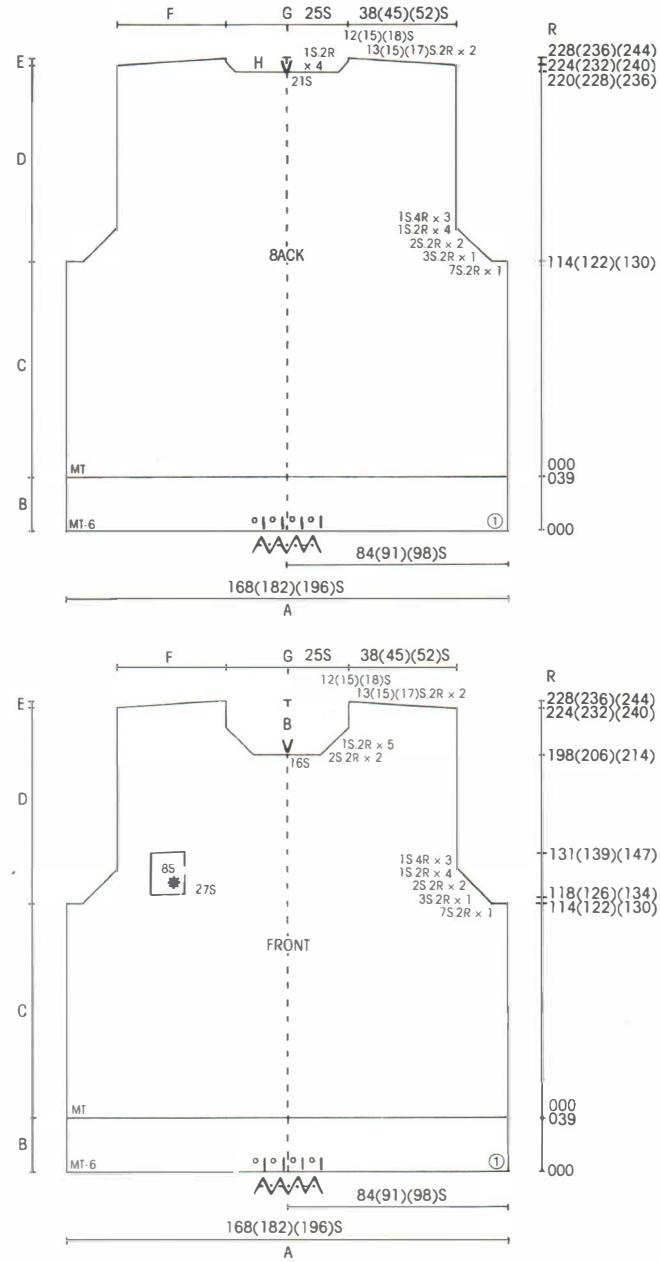
APPROXIMATE YARN TYPES AND AMOUNTS:
Yeoman Brittany.
Col 1 (Sanguine) — 630 (680, 730) grms (use 3 ends).

TENSIONS:
Stocking stitch — 28 sts and 38 rows to 10 cms. TD at approx 9 (MT)
1 x 1 rib — 49 rows to 10 cms. TDs at approx. MT-6.

PATTERN NOTE:
Stocking stitch.
Cable motif — see chart.

If you have any problems locating Yeoman Brittany 2ply Cotton, please write to the address below for local stockist and mail order information. Please quote this issue of Modern Machine Knitting.

Yeoman Yarns,
31 High Street,
Kibworth,
Leicester LE8 0HS.



BACK:
With ribber in position and carriage at left, set machine for 1 x 1 rib. Push 84 (91, 98) Ns at left and right of centre 0 to WP. 168 (182, 196) Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 x 1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 x 1 rib knitting. RC 000. MT-6, K 39 rows. Transfer sts to knitter. RC 000. MT. K to row 114 (122, 130).
Shape Armholes
Shape as shown on diagram. 126 (140, 154) sts. K to row 220 (228, 236).
Shape Back Neck
Shape as shown on diagram to row 224 (232, 240).
Shape Shoulder
Shape as shown on diagram to row 228 (236, 244). Cast off rem 12 (15, 18) sts. K left part as for right part.

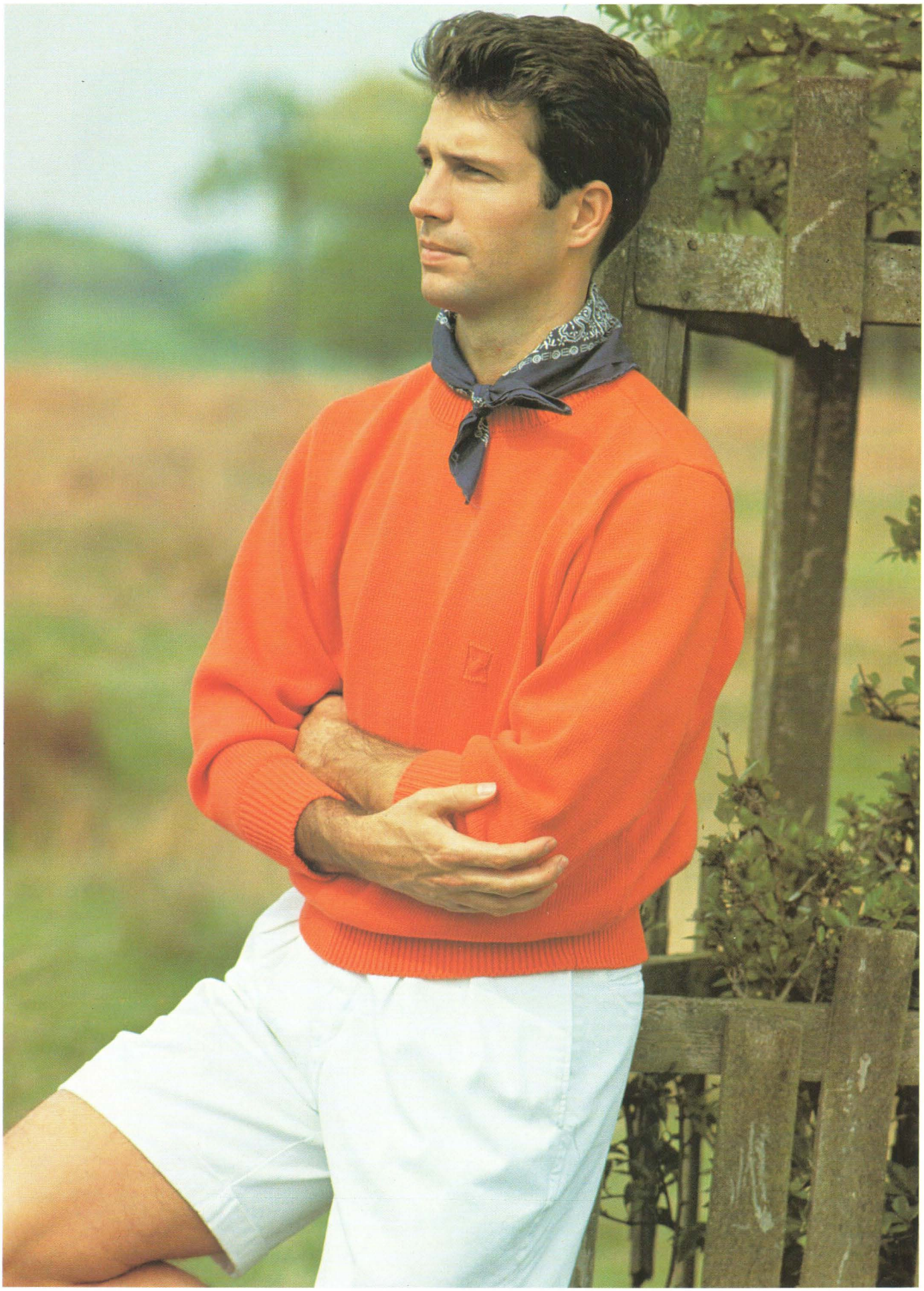
FRONT:
Knit as for Back to row 118 (126, 134). Work cable motif over Ns shown on diagram to row 131 (139, 147). Cont in st st. K to row 198 (206, 214).
Shape Neck
Shape as shown on diagram. 38 (45, 52) sts. K to row 224 (232, 240).
Shape Shoulder
Shape as shown on diagram to row 228 (236, 244). Cast off rem 12 (15, 18) sts. K left part as for right part.

Continued on page 58

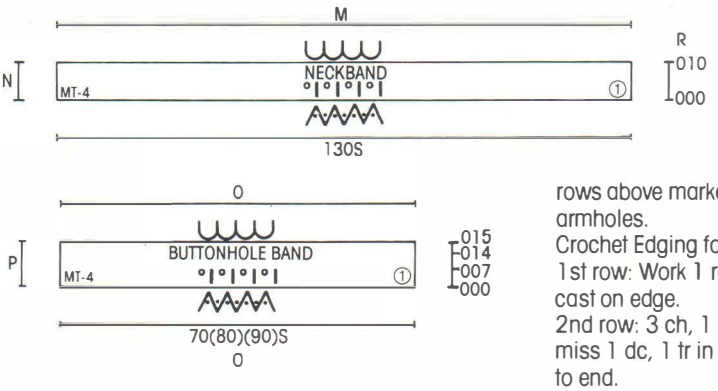
KEY

A	=	60(65)(70) cm
B	=	8 cm
C	=	30(32)(34) cm
D	=	29 cm
E	=	1 cm
F	=	13.5(16)(18.5) cm
G	=	18 cm
H	=	2 cm
I	=	28 cm
J	=	36(38)(40) cm
K	=	14 cm
L	=	60 cm
M	=	52 cm
N	=	6 cm

Pattern 10



Pattern 9 *continued*



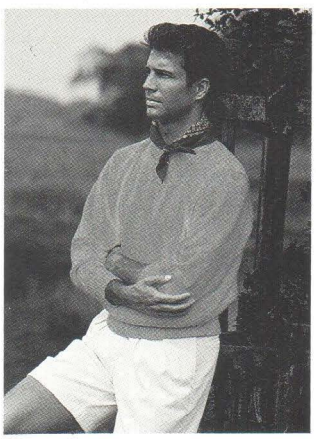
NECKBAND:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 1, cast on 130 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-4, K 9 rows. Transfer sts to knitter. K 1 row MT. Cast off with WY.

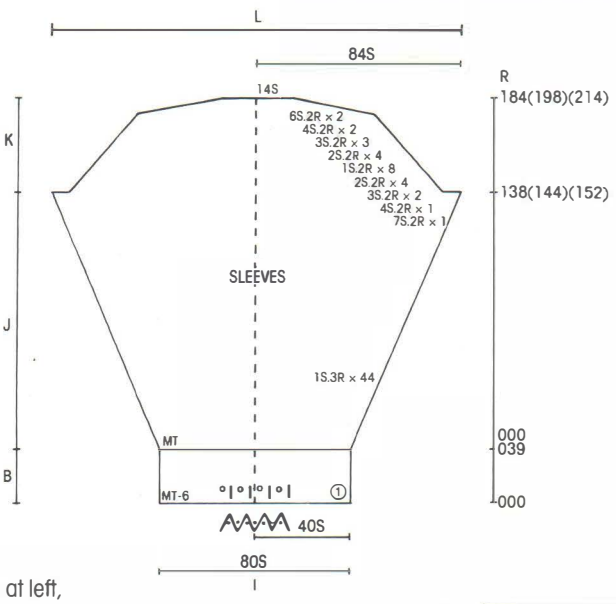
BUTTONHOLE BAND:
With ribber in position and carriage at left, set the machine for 1 × 1 rib. Using col 1, cast on 70 (80, 90) sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-4, K 7 rows. Make 8 (9, 9) evenly spaced buttonholes over 2 Ns. K 7 rows. Transfer sts to knitter. K 1 row MT. Cast off with WY.

BUTTON BAND:
K as for Buttonhole Band but omit buttonholes.

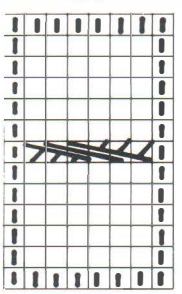
TO MAKE UP:
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves sewing rows above markers to cast off sts at armholes.
Crochet Edging for Cuffs
1st row: Work 1 row of dc into every st on cast on edge.
2nd row: 3 ch, 1 tr into 2nd dc, *1 ch, miss 1 dc, 1 tr in next dc*; rep from *to* to end.
3rd row: 1 ch, *1 dc in 1 ch space, 1 dc in tr*; rep from *to* to end.
4th row: *3 ch, miss 2 dc, 1 dc in next dc*; rep from *to* to end.
5th row: 1 ch, *1 dc in 1st loop, 6 tr in next loop, then in next loop work 1 tr, (1 ch, 1 tr in same loop) twice*; rep from *to* to end.
Join side and sleeve seams. Backstitch neckband into position. Backstitch front bands into position. Finish buttonholes and sew on buttons to correspond. Work crochet edging as for Cuffs around lower edge. Give final light steam.

Pattern 10





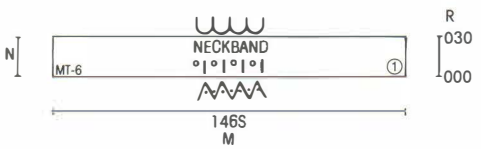
Cable Motif



KEY

= *Drop and reform st using a latch tool*

= *Cross 3 sts at right in front of 3 sts at left*



SLEEVES:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Push 40 Ns at left and right of centre O to WP. 80 Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on and K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-6, K 39 rows. Transfer sts to knitter. RC 000. MT. Shape as shown on diagram. 168 sts. K to row 138 (144, 152).
Shape Top
Shape as shown on diagram to row 184 (198, 214). Cast off rem 28 sts.

NECKBAND:
With ribber in position and carriage at left, set machine for 1 × 1 rib. Using col 1, cast on 146 sts in 1 × 1 rib. K 3 circular rows. Carriage is at left. Set carriage for 1 × 1 rib knitting. RC 000. MT-6, K 29 rows. Transfer sts to knitter. K 1 row MT. Cast off with WY.

TO MAKE UP:
Pin out to size and steam carefully. Join shoulder, side and sleeve seams. Set in sleeves. Backstitch neckband into position and join centre back neck seam. Fold in half and catch down on the inside. Give final light steam.

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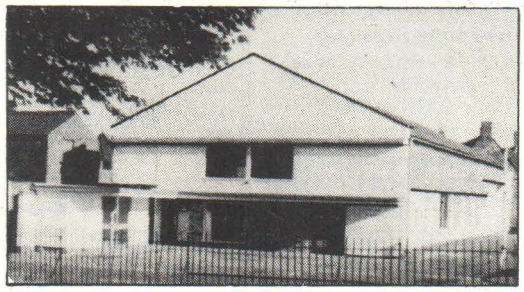

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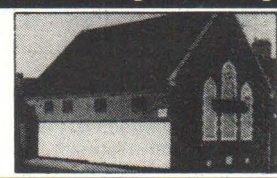

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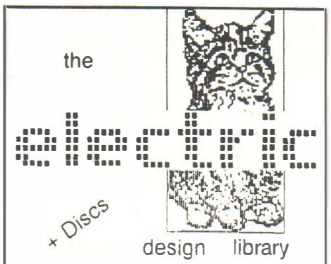

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SIMPLEFRAME S100, carrying bag and instructions, used once only, £55. Tel: Leigh 673291.

PFAFF Duomatic 80, four colour changer, Deco U70, punchcards, manuals included, £500 ono, in very good condition, hardly ever used. Tel: (0275) 372949 (Bristol).

SINGER 600 Memo II, as new, £300. Tel: (06285) 29974 (Flackwell Heath, Bucks).

SINGER Designer 2 chunky machine, plus video, pattern maker, ribber, some patterns, 12 months old, used five times, £165. Tel: 061-723 4992 (Radcliffe).

BROTHER 910 MkII Electronic, hardly used, complete with lace carriage, extra pattern books, etc, £300. Also transfer carriage, £40. Linker, £50. Intarsia carriage, £25. Tel: 081-751 6366 (Feltham).

BROTHER KA-8310 linker for sale, new, unwanted gift, absolute bargain, £50. Tel: 081-595 0423 (Dagenham).

FOR SALE or swap, Knitmaster 321 punchcard and Toyota Electric sewing machine. Wanted Brother or Knitmaster chunky machine. Tel: (0233) 627699 (Ashford, Kent).

BROTHER 260 chunky machine with ribber and table, books and wool, excellent condition, one year old, £400. Tel: (0733) 325256 (Peterborough).

SINGER System 9000 plus 14" colour television plus colour changer plus table, used once, £1,400. Tel: 081-657 8132 (Croydon, Surrey).

BROTHER KH836 and Keyto cabinet and storage bench seat full of wool, £200 as new, prefer hand knitting. Tel: (0932) 240666 (Walton on Thames).

KNITMASTER 323 plus SRP50 ribber plus table, SC1 linker, intarsia carriage, used once only, also 5 way colour yarn mast, £250, will separate. Tel: (0785) 823184 (Stafford).

FOR SALE

KEYTO cabinet and bench as new, £150. Buyer collects. Tel: (0707) 331449 (Welwyn Garden City).

ANN KITE videos 3, 4, 5, £30 each. Knitmaster shadow lace transfer tool, £8. Knitmaster lace carriage, £75. Knitmaster AWI weaving arm, £35. Knitmaster YC5 double bed colour changer, £45. Tel: (0273) 461998 (Shoreham).

BROTHER 881 built-in knitleader, lace carriage, excellent condition and working order, £215. Punch, £5. Table, £10. As new. Tel: Southampton 740157.

KNITMASTER 580 with PE1 design controller, unused, £599 or swap for Brother 950/950i. Knitmaster SRP60 Ribber unused, £135. Cone tree, £12.50. Evenings only. Tel: (0942) 603371 (Leigh).

PASSAP Duo 80 with four colour changer, £300. Form computer, £75, VI00, £75. Free Deco with machine as needs attention. Tel: (0277) 625531 (Billericay).

JONES KH830, lace carriage, KH850 ribber, linker, wool winder, punch and cards, patterns, wool cones, £350 ono. Tel: (0706) 220233 (Rawtenstall).

BROTHER KH891, 7 months old, built in knitleader, lace carriage, extra punch cards and punch, intarsia carriage, £325 ono. Tel: (0255) 820215 (Essex).

BOND knitting machine, knits full range of yarns up to chunky, extremely easy to use. Tel: 081-660 6340 (Kenley, Surrey).

BOOKS some old and new, old ones 35p each, new ones ½ price. Knitmaster 250 machine with extra carriage, every thing very good condition, price £90 ono, knits 1, 2, 3, 4, 5ply. Tel: Keighley 667792.

A-Z of Machine Knitting, £15. Step by Step Charting Device, £15. Posh Frocks books, 2, 3, 4, 6, £1.50 each by Ann Brown. Tel: (0423) 866220 (Harrogate).

BROTHER KH881 knitleader, lace, KH850 ribber as new, £300. KRC900 double bed colour changer, new, £55. Tel: (0460) 76528 (Somerset).

PASSAP Duo 80 4 colour changer, £300. Form computer, £75. U100 lock, £75. Free Deco with machine as needs attention, or exchange Singer 2331. Tel: (0277) 625531 (Billericay, Essex).

BROTHER KRC830 colour changer, £50. Singer 400 Memo II Electronic, £120. Bond standard model with extension rails, £50. Simpleframe 96, £40 or swap chunky punchcard machine. Tel: (0494) 29137 (High Wycombe).

KH830 Brother knitting machine, KR850 Brother ribber, C/W table, wool winder, punch and various literature, £350. Tel: (0522) 720597 (Lincoln).

BROTHER 260 chunky machine, ribber, knitleader, intarsia, table, books, yarn, £550. Tel: (0352) 740675 (Mold).

SINGER Freestyle double bed Electronic 2310 with table, hardly used, £750. Tel: (0227) 760585 (Canterbury) evenings or weekends.

BROTHER 891 punchcard, knitleader, lace carriage, punch, cards, only used 3 months, bargain at £320 ono. Tel: (0438) 721350 (Stevenage).

BROTHER KH950i, also ribber KR850 and knitleader LK116, hardly used, as new, £800 for all three or can split. Tel: (0452) 417012 (Gloucester).

PFAFF 6000 Electronic, stand, tapes, books, pattern cards, 3000A motor countdown as new condition, bargain only £1,400. Tel: (0295) 738227 (Oxon).

KNITMASTER 700, knitradar, intarsia, lace carriage, SRP60 ribber, 4 colour changer plus many yarns, punch cards etc, linker SC7, £450. Tel: 081-399 4774. (Surbiton).

FOR SALE

KNITMASTER 155 chunky punchcard machine, ribber, intarsia carriage, table, books and extras, immaculate condition, £500 ono. Tel: (5292) 558 (Whitburn).

KNITMASTER Zippy Plus, £200. SRP60N ribber, £195. YC6 colour changer, £100. RC1 ribber carriage, £50. All unused never unpacked. Tel: (0243) 821889 (Bognor).

KNITMASTER SK580 Electronic, standard gauge, as new, very little used, boxed, £525. Tel: (0242) 232509 (Cheltenham).

KNITMASTER 323, ribber SRP50, intarsia carriage, AG20, colour changer YC5, RJV carriage, automatic linker, radar, wool winder, books, etc, £250. Tel: 081-803 9892 (Edmonton).

BROTHER chunky 260, ribber KR260, colour changer KRC900, intarsia carriage KA2600, knitleader all new. Tel: 081-803 9892 (Edmonton).

SINGER Memo-matic 2400, ribber, lace carriage, punch cards, good condition, £130. Tel: 071-923 0606 (Stoke Newington, London).

PASSAP Duo 80 four colour changer, form computer U80, books, punch, many punchcards, £400. Tel: (0947) 605127 (Whitby).

BROTHER KH230 chunky with ribber, excellent condition, £250. Tel: (0493) 857250 (Great Yarmouth).

WANTED

WANTED Bellinky Linker, must be reasonably priced. Wanted KR13 Singer ribber for KE2500 or KE2600 machine, can collect or pay postage. Tel: (0900) 604759 (Cumbria).

WANTED Ribber for Jones KH800, also patterns. Tel: (0252) 314705 (Aldershot).

WANTED One Cone Caress Mohair from Longwood Textiles Ltd. Colour Dove 212 (pale green). Tel: 041-638 1715 (Glasgow).

WANTED Garter carriage KG88 II for Brother 911 electronic. Tel: (0202) 745814 (Poole, Dorset).

WANTED Passap or Pfaff Duo 80 with four colour changer, deco and stand, must be in excellent condition. Tel: (0993) 845001 (Carterton, Oxon).

WANTED Ribbing attachment with instructions to fit Jones/Brother KH588. Tel: (0625) 613158 (Macclesfield).

WANTED Stand for Passap Combi. Can anyone please help? Tel: (0827) 897917 (Tamworth) phone evenings.

WANTED 302 Knitmaster carriage or brush assembly for front of carriage, willing to pay £25. Tel: (0344) 55287 (Bracknell).

WANTED ribber for knitmaster 270/370 fine gauge: For Sale Knitmaster 155 chunky punchcard £195 if collected or postage extra. Tel: (0939) 290693 (Shrewsbury).

WANTED YC6 colour changer (West Midlands area please). Tel: (0384) 280383 (Kingswinford).

WANTED Knitting magazines, any quantity, good condition, reasonable price please, postage paid. Tel: (0553) 829070 (Kings Lynn, Norfolk).

SWAP

BROTHER 800 (12st punchcard) for 4 colour changer, intarsia carriage, garter carriage, to fit Singer 2310. Also wanted any magazines or patterns for Singer 2310. Tel: (0556) 3018 (Castle Douglas).

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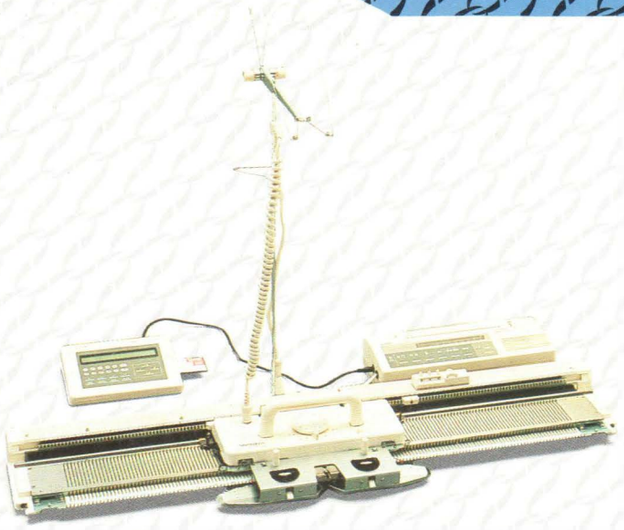
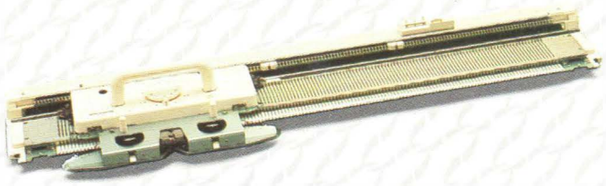


SK 890 *Chunky gauge*
Knits Mohair, Aran, Chunky



SK 860 *Double Knitting gauge*
Knits 4 ply, DK, Aran, Mohair

SK 840 *Standard gauge*
Knits 2 ply, 3 ply, 4 ply

AVAILABLE OCTOBER 1991

SK 830 *Fine gauge*
Knits 1 ply, 2 ply, 3 ply

The Silver EC1 Pattern Controller gives you great flexibility.

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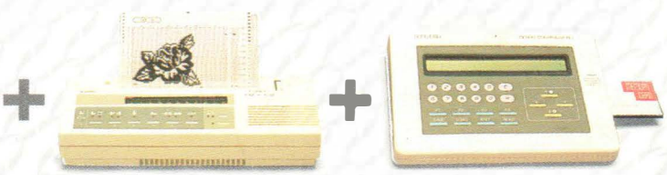
Silver EC1 *Pattern Controller*



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